TEST REPORT

CERTIFICATE OF CONFORMITY

Standard:	**47 CFR FCC Part 15, Subpart E (Section 15.407)**
Report No.:	RFBFJZ-WTW-P22110126-13
FCC ID:	V65E7200
Product:	Smart Phone
Brand:	Kyocera
Model No.:	E7200
Received Date:	2023/1/3
Test Date:	2023/1/14 ~ 2023/3/7
Issued Date:	2023/4/11
Applicant:	Kyocera Corporation % Kyocera International, Inc.
Address:	8611 Balboa Avenue, San Diego, CA 92123
Issued By:	Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch Lin Kou Laboratories
Lab Address:	No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan
Test Location (1):	No. 19, Hwa Ya 2nd Rd., Wen Hwa Vil., Kewi Shan Dist., Taoyuan City 33383, Taiwan
Test Location (2):	No. 70, Wenming Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)
FCC Registration / Designation Number:	788550 / TW0003 281270 / TW0032

Approved by: Jeremy Lin , **Date:** **2023/4/11**

Jeremy Lin / Project Engineer

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Prepared by : Polly Chien / Specialist

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Release Control Record

Issue No.	Description	Date Issued
RFBFJZ-WTW-P22110126-13	Original release.	2023/4/11

1 Certificate

Product:	Smart Phone
Brand:	Kyocera
Test Model:	E7200
Sample Status:	Identical prototype
Applicant:	Kyocera Corporation % Kyocera International, Inc.
Test Date:	2023/1/14 ~ 2023/3/7
Standard:	47 CFR FCC Part 15, Subpart E (Section 15.407)
Measurement procedure:	ANSI C63.10-2013 KDB 789033 D02 General UNII Test Procedure New Rules v02r01 KDB 662911 D01 Multiple Transmitter Output v02r01

The above equipment has been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's RF characteristics under the conditions specified in this report.

2 Summary of Test Results

47 CFR FCC Part 15, Subpart E (Section 15.407)			
Clause	Test Item	Result	Remark
15.407(a)(2)	26 dB Bandwidth	Pass	For U-NII-2A U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.
15.407(a)(1) 15.407(a)(2) 15.407(a)(3)	RF Output Power	Pass	Meet the requirement of limit.
15.407(a)(1) 15.407(a)(2) 15.407(a)(3)	Power Spectral Density	Pass	Meet the requirement of limit.
15.407(e)	6 dB Bandwidth	Pass	Meet the requirement of limit. (U-NII-3 Band only)
---	Occupied Bandwidth	-	Reference only.
15.407(g)	Frequency Stability	Pass	Meet the requirement of limit.
15.407(b)(9)	AC Power Conducted Emissions	Pass	Minimum passing margin is -20.61 dB at 0.25000 MHz
15.407(b)(9)	Unwanted Emissions below 1 GHz	Pass	Minimum passing margin is -8.2 dB at 33.88 MHz
15.407(b) (1/10) 15.407(b) (2/10) 15.407(b) (3/10) 15.407(b) (4(i)/10)	Unwanted Emissions above 1 GHz	Pass	Minimum passing margin is -0.2 dB at 5933.60 MHz
15.203	Antenna Requirement	Pass	No antenna connector is used.

Note: Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

2.1 Measurement Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

Measurement	Specification	Expanded Uncertainty (k=2) (±)
AC Power Conducted Emissions	9 kHz ~ 30 MHz	2.99 dB
Unwanted Emissions below 1 GHz	9 kHz ~ 30 MHz	3.00 dB
	30 MHz ~ 1 GHz	2.93 dB
Unwanted Emissions above 1 GHz	1 GHz ~ 18 GHz	1.76 dB
	18 GHz ~ 40 GHz	1.77 dB

The other instruments specified are routine verified to remain within the calibrated levels, no measurement uncertainty is required to be calculated.

2.2 Supplementary Information

There is not any deviation from the test standards for the test method, and no modifications required for compliance.

3 General Information

3.1 General Description of EUT

Product	Smart Phone
Brand	Kyocera
Test Model	E7200
Status of EUT	Identical prototype
Power Supply Rating	20Vdc or 15Vdc or 9Vdc or 5Vdc (From adapter) 3.87Vdc (From battery)
Modulation Type	64QAM, 16QAM, QPSK, BPSK for OFDM 256QAM for OFDM in 11ac mode 1024QAM for OFDMA in 11ax HE mode
Modulation Technology	OFDM, OFDMA
Transfer Rate	Up to 2401.9 Mbps
Operating Frequency	5.18 GHz ~ 5.25 GHz 5.26 GHz ~ 5.32 GHz 5.5 GHz ~ 5.72 GHz 5.745 GHz ~ 5.825 GHz
Number of Channel	5180 ~ 5320MHz: 802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20): 8 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40): 4 802.11ac (VHT80), 802.11ax (HE80): 2 802.11ac (VHT160), 802.11ax (HE160): 1 5500 ~ 5720MHz: 802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20): 12 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40): 6 802.11ac (VHT80), 802.11ax (HE80): 3 802.11ac (VHT160), 802.11ax (HE160): 1 5745 ~ 5825MHz: 802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20): 5 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40): 2 802.11ac (VHT80), 802.11ax (HE80): 1
Output Power	5.18 GHz ~ 5.25 GHz : 60.359 mW (17.81 dBm) 5.26 GHz ~ 5.32 GHz : 60.126 mW (17.79 dBm) 5.5 GHz ~ 5.72 GHz : 58.499 mW (17.67 dBm) 5.745 GHz ~ 5.825 GHz : 60.301 mW (17.8 dBm)
EUT Category	Client device

Note:

1. The EUT uses following accessories.

Battery		
Brand	Model	Specification
Kyocera	SCP-76LBPS	Power Rating : 3.87Vdc, typ 4270mAh, typ. 16.6Wh
USB Type A to USB type C cable		
Brand	Model	Specification
KYOCERA	SCP-24 SDC	Signal Line : 1m shielded Type A to Type C USB

2. The EUT uses following support unit only.

Adapter (Support unit)		
Brand	Model	Specification
Kyocera	SCP-53ADT	AC Input: 100-240 Vac, 50/60 Hz, 0.6A DC Output: 5Vdc, 3A; 9Vdc, 3A; 15Vdc, 1.8A; 20Vdc, 1.35A

3. There are WWAN, Bluetooth, NFC, ANT+ and WLAN technology used for the EUT.

4. Simultaneously transmission condition.

Condition	Technology	
1	WWAN	Bluetooth
2	WWAN	WLAN 2.4GHz
3	WWAN	WLAN 5GHz
4	WWAN	Bluetooth + WLAN 5GHz
5	WWAN	Bluetooth + WLAN 6GHz
Note: The emission of the simultaneous operation has been evaluated and no non-compliance was found.		

5. The EUT support OFDMA and Partial RU mode, therefore partial RU combination were investigated and the worst case scenario was identified. (The worst case data were presented in section 3.4)

6. The above EUT information is declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications or user's manual.

3.2 Antenna Description of EUT

1. The antenna information is listed as below.

Antenna Type		Monopole
Antenna Connector		NA
Item	Antenna No.	Gain (dBi)
Bluetooth	ANT3 (CH0)	-0.1
	ANT5 (CH1)	-0.6
WLAN 2.4G	ANT3 (CH0)	-0.1
WLAN 5G		3.2
WLAN 6G		1.8
WLAN 2.4G	ANT5 (CH1)	-0.6
WLAN 5G		2.1
WLAN 6G		2.0

*Detail antenna specification please refer to antenna datasheet and/or antenna measurement report.

2. The EUT incorporates a MIMO function:

5 GHz Band		
Modulation Mode	Tx & Rx Configuration	
802.11a	2TX	2RX
802.11n (HT20)	2TX	2RX
802.11n (HT40)	2TX	2RX
802.11ac (VHT20)	2TX	2RX
802.11ac (VHT40)	2TX	2RX
802.11ac (VHT80)	2TX	2RX
802.11ac (VHT160)	2TX	2RX
802.11ax (HE20)	2TX	2RX
802.11ax (HE40)	2TX	2RX
802.11ax (HE80)	2TX	2RX
802.11ax (HE160)	2TX	2RX
802.11ax (RU26/52/106/242/484/996/966*2)	2TX	2RX

Note:

1. The bandwidth and modulation are similar for HT20/HT40 on 802.11n mode and VHT20/VHT40 on 802.11ac mode and HE20/HE40 on 802.11ax mode. The bandwidth and modulation are similar for VHT80/VHT160 on 802.11ac mode and HE80/HE160 on 802.11ax mode. Therefore the investigated worst case is the representative mode in test report.
2. In WLAN 5 GHz 802.11ax mode, DUT supports RU26, RU52, RU106, RU242, RU484, RU996, RU996*2 and Full RU modes. After pre-testing, the Full RU mode is the worst mode. Except for the 26 dB bandwidth, output power, power spectral density and Unwanted Emissions above 1 GHz test items, all DUTs are measured separately in the supported RU mode, and the rest of the test items are finally measured in the Full RU mode.
3. The modulation and bandwidth are similar for RU242 vs (HE20) Full RU, RU484 vs (HE40) Full RU, RU996 vs (HE80) Full RU, RU996*2 vs (HE160) Full RU, so output power and Power Spectral Density will be similar level.

   Therefore the manufacturer will control the power for RU242, RU484, RU996, RU996*2 to keep the same as the HE20/ HE40/HE80/HE160 Full RU mode and test lab has investigated worst case as representative mode and presented in test report.

3.3 Channel List

FOR 5180 ~ 5320 MHz

8 channels are provided for 802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20):

Channel	Frequency	Channel	Frequency
36	5180 MHz	52	5260 MHz
40	5200 MHz	56	5280 MHz
44	5220 MHz	60	5300 MHz
48	5240 MHz	64	5320 MHz

4 channels are provided for 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40):

Channel	Frequency	Channel	Frequency
38	5190 MHz	54	5270 MHz
46	5230 MHz	62	5310 MHz

2 channels are provided for 802.11ac (VHT80), 802.11ax (HE80):

Channel	Frequency	Channel	Frequency
42	5210 MHz	58	5290 MHz

1 straddle channel is provided for 802.11ac (VHT160), 802.11ax (HE160):

Channel	Frequency
50	5250 MHz

FOR 5500 ~ 5720 MHz

12 channels are provided for 802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20):

Channel	Frequency	Channel	Frequency
100	5500 MHz	124	5620 MHz
104	5520 MHz	128	5640 MHz
108	5540 MHz	132	5660 MHz
112	5560 MHz	136	5680 MHz
116	5580 MHz	140	5700 MHz
120	5600 MHz	144	5720 MHz

6 channels are provided for 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40):

Channel	Frequency	Channel	Frequency
102	5510 MHz	126	5630 MHz
110	5550 MHz	134	5670 MHz
118	5590 MHz	142	5710 MHz

3 channels are provided for 802.11ac (VHT80), 802.11ax (HE80):

Channel	Frequency	Channel	Frequency
106	5530 MHz	138	5690 MHz
122	5610 MHz		

1 straddle channel is provided for 802.11ac (VHT160), 802.11ax (HE160):

Channel	Frequency
114	5570MHz

FOR 5745 ~ 5825 MHz:

5 channels are provided for 802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20):

Channel	Frequency	Channel	Frequency
149	5745 MHz	161	5805 MHz
153	5765 MHz	165	5825 MHz
157	5785 MHz		

2 channels are provided for 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40):

Channel	Frequency	Channel	Frequency
151	5755 MHz	159	5795 MHz

1 channel is provided for 802.11ac (VHT80), 802.11ax (HE80):

Channel	Frequency
155	5775 MHz

3.4 Test Mode Applicability and Tested Channel Detail

Pre-Scan:	EUT can be used in the following ways: X-axis/ Y-axis/ Z-axis. Pre-scan these ways and find the worst case as a representative test condition.
Worst Case:	X-axis/ Y-axis/ Z-axis Worst Condition: Y-axis

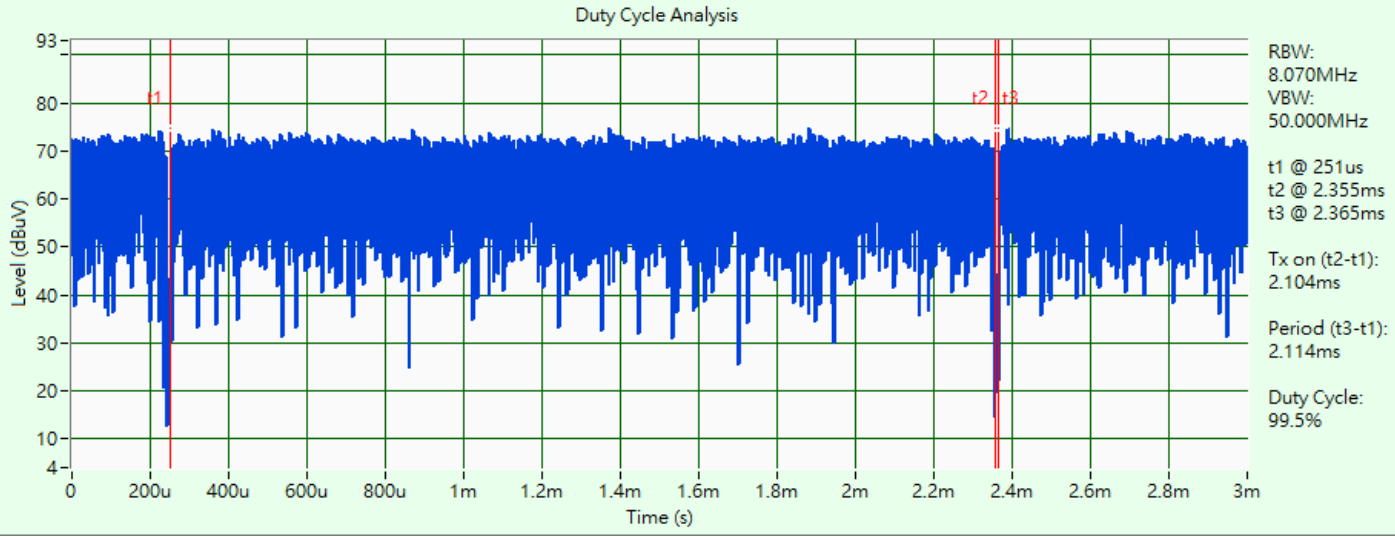
Following channel(s) was (were) selected for the final test as listed below:

Test Item	Mode	Tested Channel	Modulation	Data Rate Parameter
26 dB Bandwidth	802.11a	52, 60, 64, 100, 116, 140, 144	BPSK	6Mb/s
	20 MHz Preamble 802.11ax (RU26)	52, 60, 64, 100, 116, 140, 144	BPSK	MCS0
	20 MHz Preamble 802.11ax (RU52)	52, 60, 64, 100, 116, 140, 144	BPSK	MCS0
	20 MHz Preamble 802.11ax (RU106)	52, 60, 64, 100, 116, 140, 144	BPSK	MCS0
	802.11ax (HE20) Full RU	52, 60, 64, 100, 116, 140, 144	BPSK	MCS0
	802.11ax (HE40) Full RU	54, 62, 102, 110, 134, 142	BPSK	MCS0
	802.11ax (HE80) Full RU	58, 106, 122, 138	BPSK	MCS0
	802.11ax (HE160) Full RU	50, 114	BPSK	MCS0
RF Output Power	802.11a	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	6Mb/s
	802.11n (HT20)	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
	802.11n (HT40)	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0
	802.11ac (VHT20)	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
	802.11ac (VHT40)	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0
	802.11ac (VHT80)	42, 58, 106, 122, 138, 155	BPSK	MCS0
	802.11ac (VHT160)	50, 114	BPSK	MCS0
	20 MHz Preamble 802.11ax (RU26)	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
	20 MHz Preamble 802.11ax (RU52)	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
	20 MHz Preamble 802.11ax (RU106)	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
	802.11ax (HE20) Full RU	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
	802.11ax (HE40) Full RU	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0
	802.11ax (HE80) Full RU	42, 58, 106, 122, 138, 155	BPSK	MCS0
	802.11ax (HE160) Full RU	50, 114	BPSK	MCS0

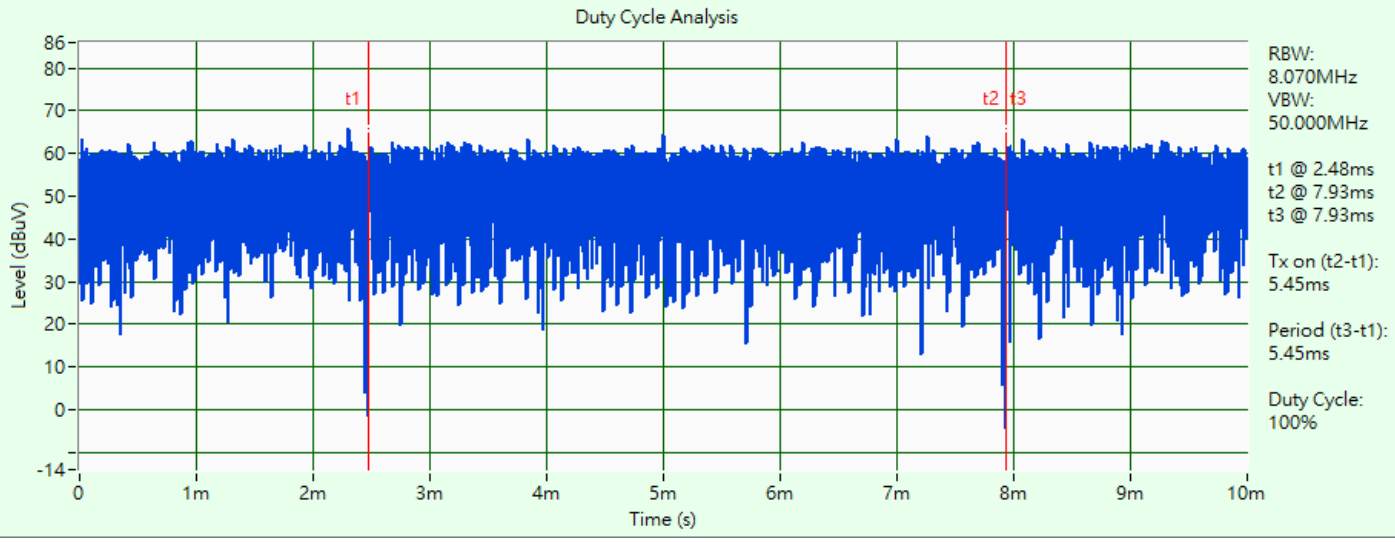
Test Item	Mode	Tested Channel	Modulation	Data Rate Parameter
Power Spectral Density	802.11a	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	6Mb/s
	20 MHz Preamble 802.11ax (RU26)	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
	20 MHz Preamble 802.11ax (RU52)	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
	20 MHz Preamble 802.11ax (RU106)	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
	802.11ax (HE20) Full RU	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
	802.11ax (HE40) Full RU	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0
	802.11ax (HE80) Full RU	42, 58, 106, 122, 138, 155	BPSK	MCS0
	802.11ax (HE160) Full RU	50, 114	BPSK	MCS0
6 dB Bandwidth	802.11a	144, 149, 157, 165	BPSK	6Mb/s
	802.11ax (HE20) Full RU	144, 149, 157, 165	BPSK	MCS0
	802.11ax (HE40) Full RU	142, 151, 159	BPSK	MCS0
	802.11ax (HE80) Full RU	138, 155	BPSK	MCS0
Occupied Bandwidth	802.11a	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	6Mb/s
	802.11ax (HE20) Full RU	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
	802.11ax (HE40) Full RU	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0
	802.11ax (HE80) Full RU	42, 58, 106, 122, 138, 155	BPSK	MCS0
	802.11ax (HE160) Full RU	50, 114	BPSK	MCS0
Frequency Stability	802.11a	36	-	-
AC Power Conducted Emissions	802.11ax (HE20) Full RU	40	BPSK	MCS0
Unwanted Emissions below 1 GHz	802.11ax (HE20) Full RU	40	BPSK	MCS0
Unwanted Emissions above 1 GHz	802.11a	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	6Mb/s
	20 MHz Preamble 802.11ax (RU26)	36, 48, 52, 64, 100, 140, 144, 149, 165	BPSK	MCS0
	20 MHz Preamble 802.11ax (RU52)	36, 48, 52, 64, 100, 140, 144, 149, 165	BPSK	MCS0
	20 MHz Preamble 802.11ax (RU106)	36, 48, 52, 64, 100, 140, 144, 149, 165	BPSK	MCS0
	802.11ax (HE20) Full RU	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
	802.11ax (HE40) Full RU	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0
	802.11ax (HE80) Full RU	42, 58, 106, 122, 138, 155	BPSK	MCS0
	802.11ax (HE160) Full RU	50, 114	BPSK	MCS0

3.5 Duty Cycle of Test Signal

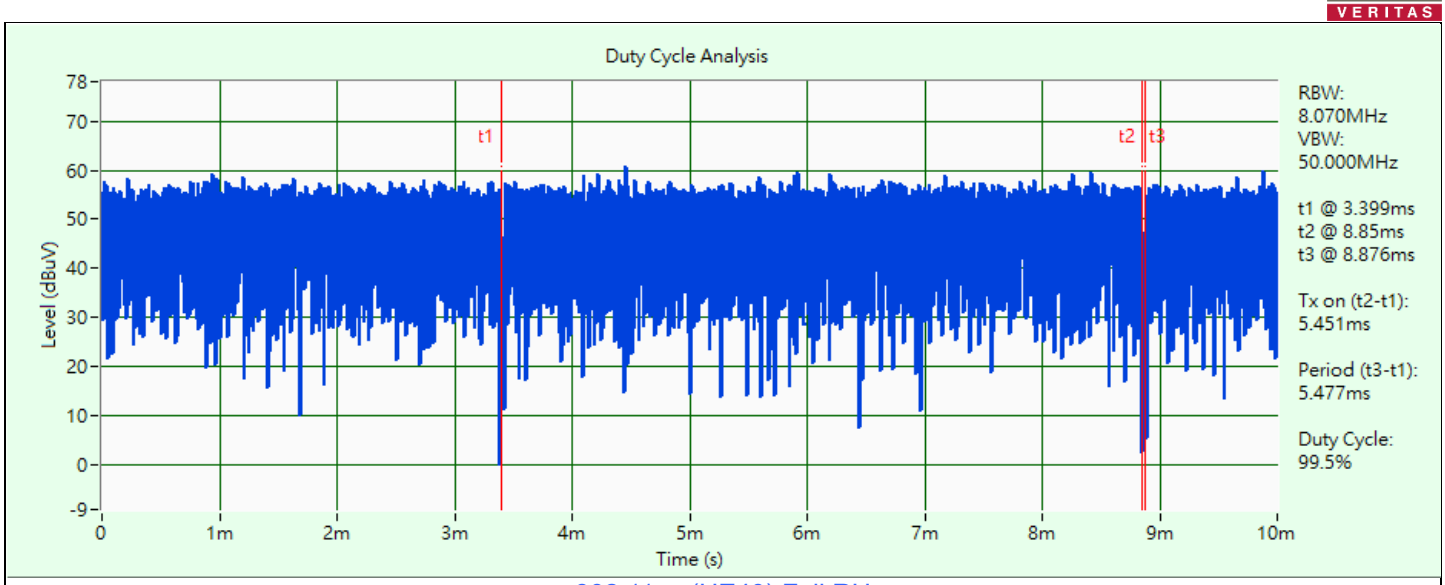
802.11a: Duty cycle = 2.104 ms / 2.114 ms x 100% = 99.5%
802.11ax (HE20) Full RU: Duty cycle = 5.45 ms / 5.45 ms x 100% = 100.0%
802.11ax (HE40) Full RU: Duty cycle = 5.451 ms / 5.477 ms x 100% = 99.5%
802.11ax (HE80) Full RU: Duty cycle = 5.44 ms / 5.492 ms x 100% = 99.1%
802.11ax (HE160) Full RU: Duty cycle = 3.203 ms / 3.221 ms x 100% = 99.4%



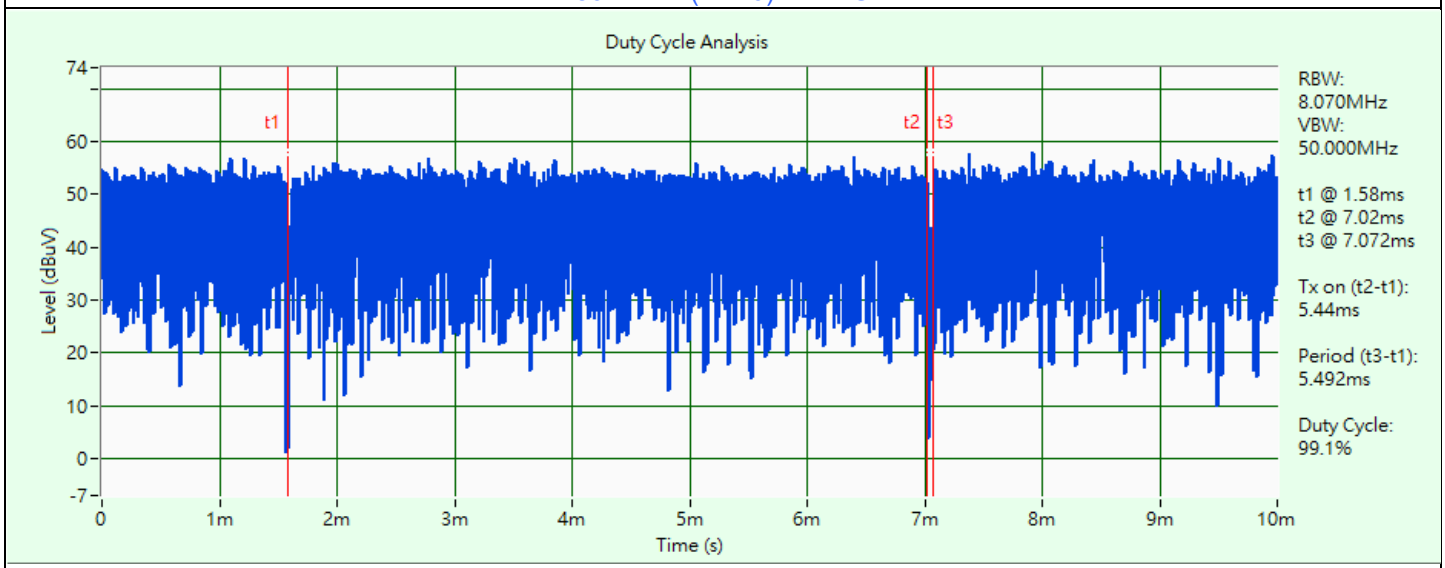
802.11a



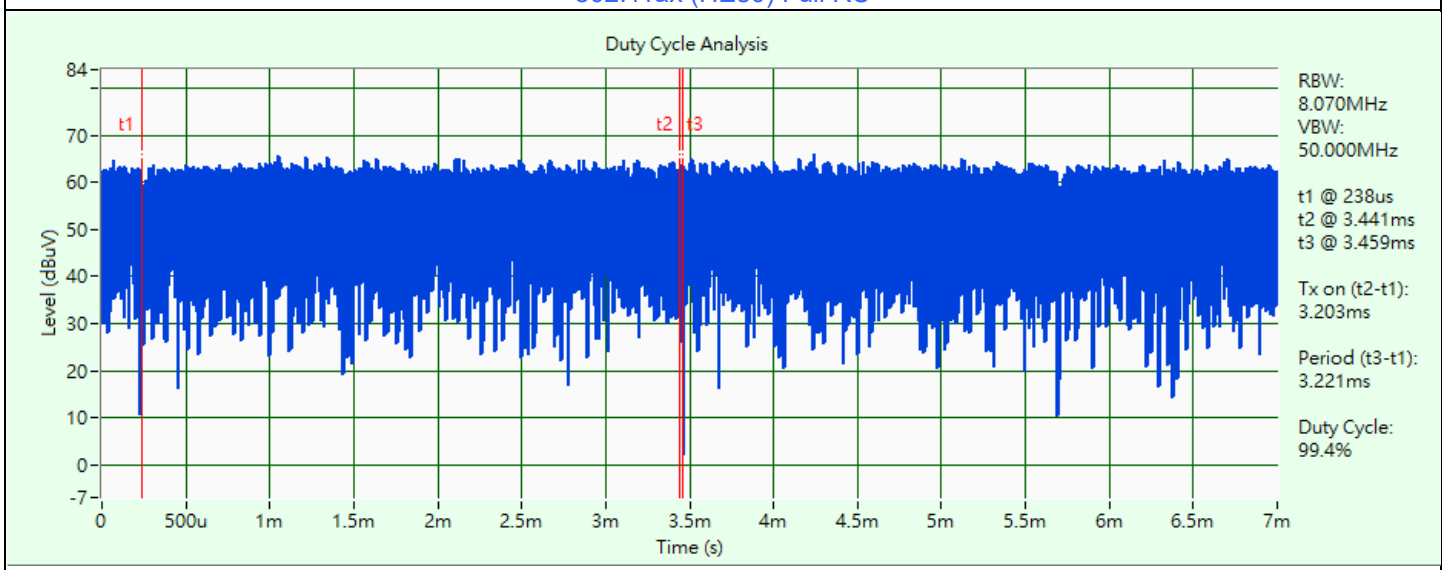
802.11ax (HE20) Full RU



802.11ax (HE40) Full RU



802.11ax (HE80) Full RU

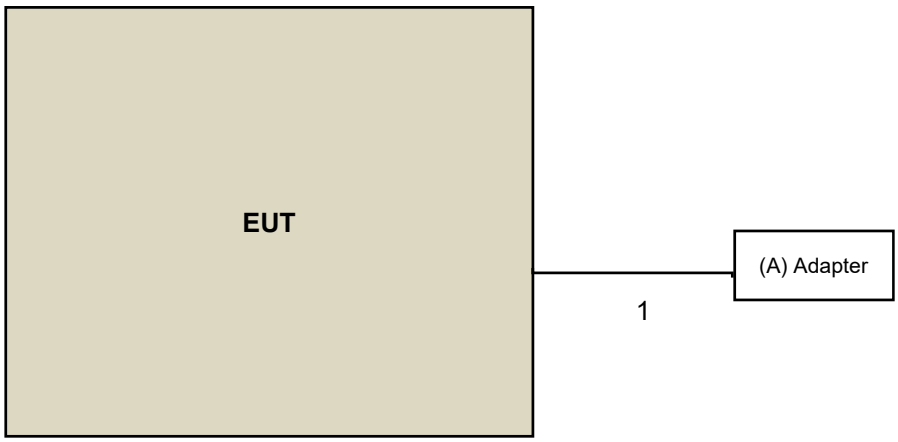


802.11ax (HE160) Full RU

3.6 Test Program Used and Operation Descriptions

Controlling software (DroidDM_V1.1.16) has been activated to set the EUT under transmission condition continuously at specific channel frequency.

3.7 Connection Diagram of EUT and Peripheral Devices



3.8 Configuration of Peripheral Devices and Cable Connections

ID	Adapter	Brand	Model No.	Serial No.	FCC ID	Remarks
A	Adapter	Kyocera	SCP-53ADT	N/A	N/A	Supplied by applicant

ID	Cable Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1	Type A to Type C USB	1	1	Y	0	Accessory of EUT

4 Test Instruments

The calibration interval of the all test instruments are 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

4.1 26 dB Bandwidth

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Software BV	ADT_RF Test Software V6.6.5.4	N/A	N/A	N/A
Spectrum Analyzer R&S	FSV40	100980	2022/4/20	2023/4/19

Notes:

1. The test was performed in Oven room.
2. Tested Date: 2023/2/10 ~ 2023/3/4

4.2 RF Output Power

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Software BV	ADT_RF Test Software V6.6.5.4	N/A	N/A	N/A
Spectrum Analyzer R&S	FSV40	100980	2022/4/20	2023/4/19
USB Wideband Power Sensor KEYSIGHT	U2021XA	MY55050005/MY55190004/ MY55190007/MY55210005	2022/7/13	2023/7/12
Wideband Power Sensor KEYSIGHT	N1923A	MY58020002	2023/1/18	2024/1/17
Peak Power Analyzer KEYSIGHT	8990B	MY51000485	2023/1/19	2024/1/18

Notes:

1. The test was performed in Oven room.
2. Tested Date: 2023/2/10 ~ 2023/3/4

4.3 Power Spectral Density

Refer to section 4.1 to get information of the instruments.

4.4 6 dB Bandwidth

Refer to section 4.1 to get information of the instruments.

4.5 Occupied Bandwidth

Refer to section 4.1 to get information of the instruments.

4.6 Frequency Stability

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
3-channel DC power supply JIN YIH Technology	ODP3033	ODP30332128138	N/A	N/A
Digital Multimeter Fluke	87-III	70360742	2022/6/23	2023/6/22
Software BV	ADT_RF Test Software V6.6.5.4	N/A	N/A	N/A
Spectrum Analyzer R&S	FSV40	100979	2022/3/25	2023/3/24
Temperature & Humidity Chamber TERCHY	HRM-120RF	931022	2022/12/27	2023/12/26

Notes:

1. The test was performed in Oven room.
2. Tested Date: 2023/2/10 ~ 2023/3/4

4.7 AC Power Conducted Emissions

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
LISN R&S	ESH3-Z5	100311	2022/9/12	2023/9/11
LISN ROHDE & SCHWARZ	ENV216	101826	2022/3/14	2023/3/13
RF Coaxial Cable WOKEN	5D-FB	Cable-cond1-01	2023/1/7	2024/1/6
Software BVADT	BVADT_Cond_ V7.3.7.4	N/A	N/A	N/A
Test Receiver Rohde&Schwarz	ESCI	100613	2022/12/5	2023/12/4
V-LISN Schwarzbeck	NNBL 8226-2	8226-142	2022/8/31	2023/8/30

Notes:

1. The test was performed in HY - Conduction 1.
2. Tested Date: 2023/3/1

4.8 Unwanted Emissions below 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower Max-Full	MFT-151SS-0.5T	N/A	N/A	N/A
Bi-log Broadband Antenna Schwarzbeck	VULB9168	9168-1213	2022/10/20	2023/10/19
Loop Antenna EMCI	EM-6879	269	2022/9/19	2023/9/18
Loop Antenna TESEQ	HLA 6121	45745	2022/7/27	2023/7/26
Pre-amplifier EMCI	EMC001340	980201	2022/9/23	2023/9/22
Pre_Amplifier EMCI	EMC330N	980782	2023/1/16	2024/1/15
RF Coaxial Cable EMCI	5D-NM-BM	140903+140902	2023/1/7	2024/1/6
	EMCCFD400-NM-NM-500	201233	2023/1/16	2024/1/15
	EMCCFD400-NM-NM-3000	201235	2023/1/16	2024/1/15
	EMCCFD400-NM-NM-9000	201236	2023/1/16	2024/1/15
Software BV ADT	ADT_Radiated_ V7.6.15.9.5	N/A	N/A	N/A
Spectrum Analyzer R&S	FSW43	101866	2023/1/10	2024/1/9
Test Receiver R&S	ESR3+	102782	2022/12/12	2023/12/11
Turn Table Max-Full	MF-7802BS	N/A	N/A	N/A
Turn Table Controller Max-Full	MF-7802BS	MF780208674	N/A	N/A

Notes:

1. The test was performed in WM - 966 chamber 8.
2. Tested Date: 2023/1/30

4.9 Unwanted Emissions above 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower Max-Full	MFT-151SS-0.5T	N/A	N/A	N/A
Horn Antenna RFSPIN	DRH18-E	210103A18E	2022/11/13	2023/11/12
Horn Antenna Schwarzbeck	BBHA 9170	9170-1049	2022/11/13	2023/11/12
Pre_Amplifier EMCI	EMC118A45SE	980808	2022/12/29	2023/12/28
	EMC184045SE	980788	2023/1/16	2024/1/15
RF Coaxial Cable EMCI	EMC101G-KM-KM-2000	201254	2023/1/16	2024/1/15
	EMC101G-KM-KM-3000	201257	2023/1/16	2024/1/15
	EMC101G-KM-KM-5000	201260	2023/1/16	2024/1/15
	EMC104-SM-SM-1000	210102	2023/1/16	2024/1/15
	EMC104-SM-SM-3000	201231	2023/1/16	2024/1/15
	EMC104-SM-SM-9000	201243	2023/1/16	2024/1/15
Software BV ADT	ADT_Radiated_ V7.6.15.9.5	N/A	N/A	N/A
Spectrum Analyzer R&S	FSW43	101866	2023/1/10	2024/1/9
Test Receiver R&S	ESR3+	102782	2022/12/12	2023/12/11
Turn Table Max-Full	MF-7802BS	N/A	N/A	N/A
Turn Table Controller Max-Full	MF-7802BS	MF780208674	N/A	N/A

Notes:

1. The test was performed in WM - 966 chamber 8.
2. Tested Date: 2023/1/14 ~ 2023/3/7

5 Limits of Test Items

5.1 26 dB Bandwidth

The results are for reference only.

5.2 RF Output Power

Operation Band	EUT Category	Limit
U-NII-1	Outdoor Access Point	1 Watt (30 dBm) (Max. e.i.r.p ≦ 125mW(21 dBm) at any elevation angle above 30 degrees as measured from the horizon)
	Fixed point-to-point Access Point	1 Watt (30 dBm)
	Indoor Access Point	1 Watt (30 dBm)
	Mobile and Portable client device	250mW (24 dBm)

Operation Band	Limit
U-NII-2A	250 mW (24 dBm) or 11 dBm+10 log B*
U-NII-2C	250 mW (24 dBm) or 11 dBm+10 log B*
U-NII-3	1 Watt (30 dBm)

*B is the 26 dB emission bandwidth in megahertz

Per KDB 662911 D01 Multiple Transmitter Output Method of conducted output power measurement on IEEE 802.11 devices,

Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$;
Array Gain = 0 dB (i.e., no array gain) for channel widths ≥ 40 MHz for any N_{ANT};
Array Gain = 5 log(N_{ANT}/N_{SS}) dB or 3 dB, whichever is less, for 20-MHz channel widths with $N_{ANT} \geq 5$.

For power measurements on all other devices: Array Gain = 10 log(N_{ANT}/N_{SS}) dB.

5.3 Power Spectral Density

Operation Band	EUT Category	Limit
U-NII-1	Outdoor Access Point	17 dBm/MHz
	Fixed point-to-point Access Point	
	Indoor Access Point	
	Mobile and Portable client device	11 dBm/MHz

Operation Band	Limit
U-NII-2A	11 dBm/MHz
U-NII-2C	11 dBm/MHz
U-NII-3	30 dBm/500 kHz

5.4 6 dB Bandwidth

Within the 5.725-5.850 GHz band, the minimum 6 dB bandwidth of U-NII devices shall be at least 500 kHz.

5.5 Occupied Bandwidth

The results are for reference only.

5.6 Frequency Stability

The frequency of the carrier signal shall be maintained within band of operation.

5.7 AC Power Conducted Emissions

Frequency (MHz)	Conducted Limit (dBuV)	
	Quasi-peak	Average
0.15 - 0.5	66 - 56	56 - 46
0.50 - 5.0	56	46
5.0 - 30.0	60	50

Notes:

1. The lower limit shall apply at the transition frequencies.
2. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50 MHz.

5.8 Unwanted Emissions below 1 GHz

Radiated emissions which fall in the restricted bands must comply with the radiated emission limits specified as below table.

Frequencies (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009 ~ 0.490	2400/F(kHz)	300
0.490 ~ 1.705	24000/F(kHz)	30
1.705 ~ 30.0	30	30
30 ~ 88	100	3
88 ~ 216	150	3
216 ~ 960	200	3
Above 960	500	3

Notes:

1. The lower limit shall apply at the transition frequencies.
2. Emission level (dBuV/m) = 20 log Emission level (uV/m).

5.9 Unwanted Emissions above 1 GHz

Radiated emissions which fall in the restricted bands must comply with the radiated emission limits specified as below table.

Frequencies (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
Above 960	500	3

Notes:

1. The lower limit shall apply at the transition frequencies.
2. Emission level (dBuV/m) = 20 log Emission level (uV/m).
3. For frequencies above 1000 MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20 dB under any condition of modulation.

Limits of unwanted emission out of the restricted bands

Applicable To	Limit	
789033 D02 General UNII Test Procedure New Rules v02r01	Field Strength at 3 m	
	PK: 74 (dBµV/m)	AV: 54 (dBµV/m)

For transmitters operating in the 5.15-5.25 GHz band:

Applicable To	EIRP Limit	Equivalent Field Strength at 3 m
15.407(b)(1)	PK: -27 (dBm/MHz)	PK: 68.2 (dBµV/m)

For transmitters operating in the 5.25-5.35 GHz band:

Applicable To	EIRP Limit	Equivalent Field Strength at 3 m
15.407(b)(2)	PK: -27 (dBm/MHz)	PK: 68.2 (dBµV/m)

For transmitters operating in the 5.47-5.725 GHz band:

Applicable To	EIRP Limit	Equivalent Field Strength at 3 m
15.407(b)(3)	PK: -27 (dBm/MHz)	PK: 68.2 (dBµV/m)

For transmitters operating in the 5.725-5.850 GHz band:

Applicable To	EIRP Limit	Equivalent Field Strength at 3 m
15.407(b)(4)(i)	PK: -27 (dBm/MHz) *1 PK: 10 (dBm/MHz) *2 PK: 15.6 (dBm/MHz) *3 PK: 27 (dBm/MHz) *4	PK: 68.2 (dBµV/m) *1 PK: 105.2 (dBµV/m) *2 PK: 110.8 (dBµV/m) *3 PK: 122.2 (dBµV/m) *4
*1 beyond 75 MHz or more above of the band edge. *2 below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above. *3 below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above. *4 from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.		

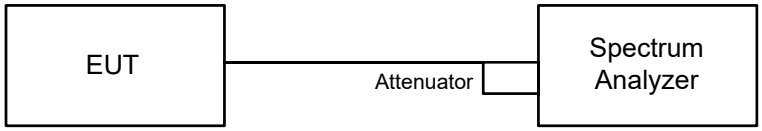
Note: The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

$$E = \frac{1000000\sqrt{30P}}{3}$$ µV/m, where P is the eirp (Watts).

6 Test Arrangements

6.1 26 dB Bandwidth

6.1.1 Test Setup



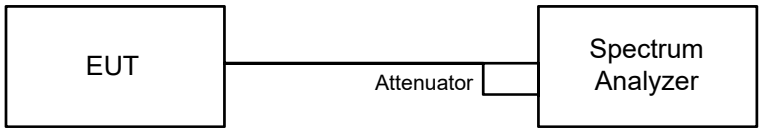
6.1.2 Test Procedure

a. Set RBW = approximately 1% of the emission bandwidth.
b. Set the VBW > RBW.
c. Detector = Peak.
d. Trace mode = max hold.
e. Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.

6.2 RF Output Power

6.2.1 Test Setup

For channel straddling:



6.2.2 Test Procedure

Method PM is used to perform output power measurement, trigger and gating function of wide band power meter is enabled to measure max output power of TX on burst and set the detector to average. Duty factor is not added to measured value.

For channel straddling:

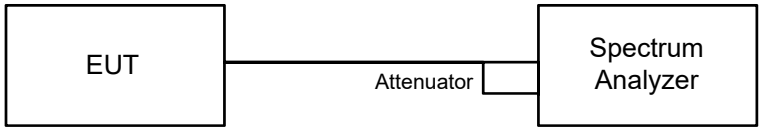
Method SA-1

a. Set span to encompass the entire emission bandwidth (EBW) of the signal.
b. Set RBW = 1 MHz, Set VBW ≥ 3 MHz, Detector = RMS
c. Sweep points ≥ [2 × span / RBW]. (This gives bin-to-bin spacing ≤ RBW / 2, so that narrowband signals are not lost between frequency bins.)
d. Sweep time = auto, trigger set to “free run”.
e. Trace average at least 100 traces in power averaging mode.
f. Record the max value

Note: When measuring straddle channel power, use compute power by integrating the spectrum across the 26 dB EBW or 99% OBW of the signal using the instrument’s band power measurement function, with band limits set equal to the EBW or OBW band edges. If the instrument does not have a band power function, then sum the spectrum levels (in power units) at 1 MHz intervals extending across the 26 dB EBW or 99% OBW of the spectrum.

6.3 Power Spectral Density

6.3.1 Test Setup



6.3.2 Test Procedure

For specified measurement bandwidth 1 MHz:
Method SA-1

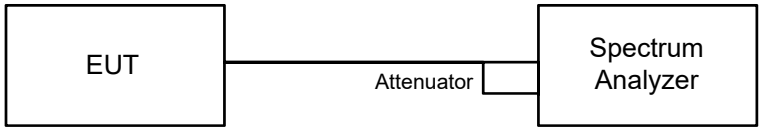
a. Set span to encompass the entire emission bandwidth (EBW) of the signal.
b. Set RBW = 1 MHz, Set VBW ≥ 3 MHz, Detector = RMS
c. Sweep points ≥ [2 × span / RBW]. (This gives bin-to-bin spacing ≤ RBW / 2, so that narrowband signals are not lost between frequency bins.)
d. Sweep time = auto, trigger set to “free run”.
e. Trace average at least 100 traces in power averaging mode.
f. Record the max value

For specified measurement bandwidth 500 kHz:
Method SA-1

a. Set span to encompass the entire emission bandwidth (EBW) of the signal.
b. Set RBW = 300 kHz, Set VBW ≥ 1 MHz, Detector = RMS
c. Scale the observed power level to an equivalent value in 500 kHz by adjusting (increasing) the measured power by a bandwidth correction factor (BWCF) where BWCF = 10log(500 kHz/300 kHz)
d. Sweep points ≥ [2 × span / RBW]. (This gives bin-to-bin spacing ≤ RBW / 2, so that narrowband signals are not lost between frequency bins.)
e. Sweep time = auto, trigger set to “free run”.
f. Trace average at least 100 traces in power averaging mode.
g. Record the max value

6.4 6 dB Bandwidth

6.4.1 Test Setup

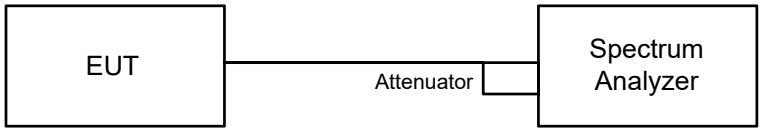


6.4.2 Test Procedure

a. Set resolution bandwidth (RBW) = 100 kHz.
b. Set the video bandwidth (VBW) ≥ 3 x RBW, Detector = Peak.
c. Trace mode = max hold.
d. Sweep = auto couple.
e. Measure the maximum width of the emission that is constrained by the frequencies associated with the two amplitude points (upper and lower) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

6.5 Occupied Bandwidth

6.5.1 Test Setup

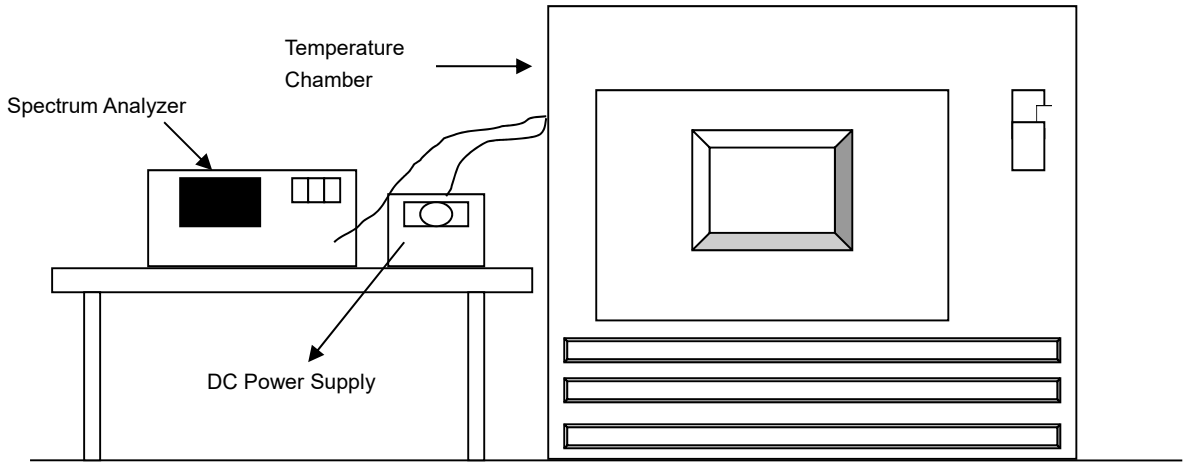


6.5.2 Test Procedure

The transmitter output was connected to the spectrum analyzer through an attenuator. The bandwidth of the fundamental frequency was measured by spectrum analyzer with resolution bandwidth in the range of 1% to 5% of the anticipated emission bandwidth, and a video bandwidth at least 3x the resolution bandwidth and set the detector to Sampling. The width of a frequency band such that, below the lower and above the upper frequency limits, the mean powers emitted are each equal to a specified percentage 0.5% of the total mean power of a given emission.

6.6 Frequency Stability

6.6.1 Test Setup

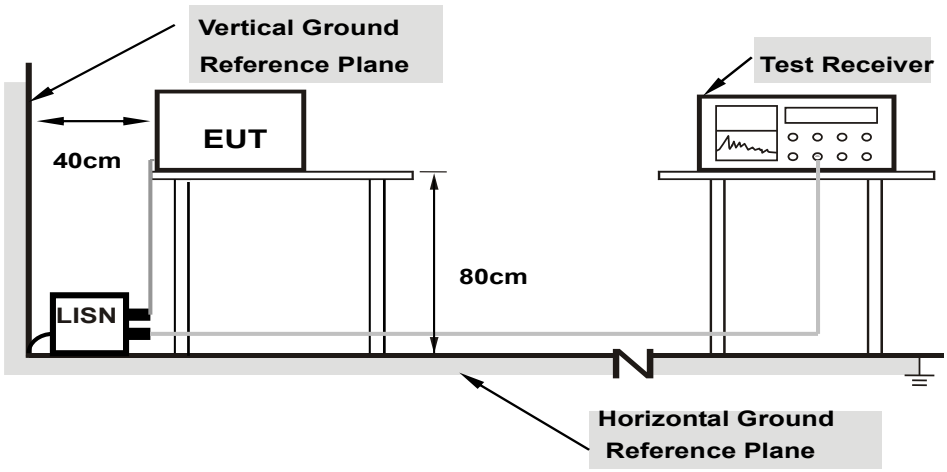


6.6.2 Test Procedure

a. The EUT was placed inside the environmental test chamber and powered by nominal DC voltage.
b. Turn the EUT on and couple its output to a spectrum analyzer.
c. Turn the EUT off and set the chamber to the highest temperature specified.
d. Allow sufficient time (approximately 30 min) for the temperature of the chamber to stabilize, turn the EUT on and measure the operating frequency after 2, 5, and 10 Minutes.
e. Repeat step (d) with the temperature chamber set to the next desired temperature until measurements down to the lowest specified temperature have been completed.
f. The test chamber was allowed to stabilize at +20 degree C for a minimum of 30 Minutes. The supply voltage was then adjusted on the EUT from 85% to 115% and the frequency record.

6.7 AC Power Conducted Emissions

6.7.1 Test Setup



Note: 1.Support units were connected to second LISN.

For the actual test configuration, please refer to the attached file (Test Setup Photo).

6.7.2 Test Procedure

a. The EUT was placed on a 0.8 meter to the top of table and placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50 uH of coupling impedance for the measuring instrument.

b. Both lines of the power mains connected to the EUT were checked for maximum conducted interference.

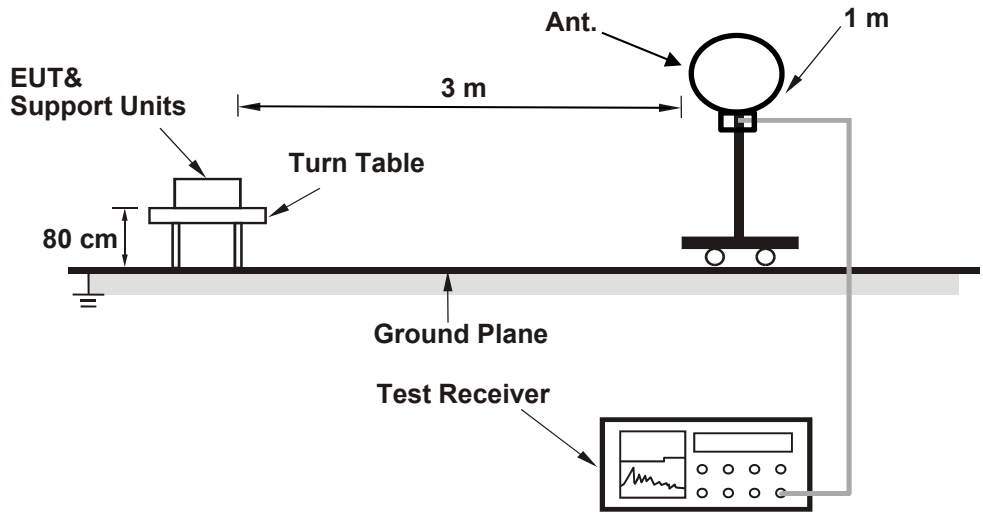
c. The frequency range from 150 kHz to 30 MHz was searched. Emission levels under (Limit – 20 dB) was not recorded.

Note: The resolution bandwidth and video bandwidth of test receiver is 9 kHz for quasi-peak detection (QP) and average detection (AV) at frequency 0.15 MHz-30 MHz.

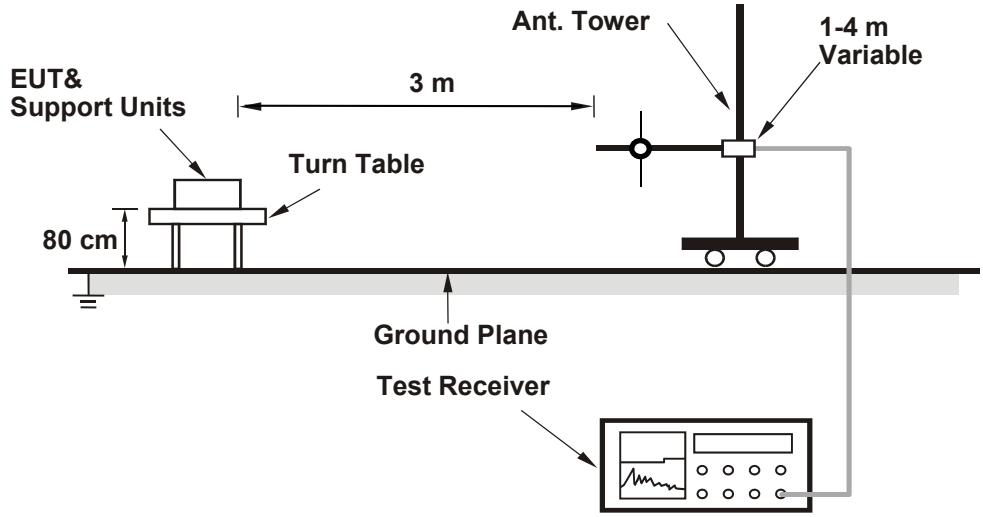
6.8 Unwanted Emissions below 1 GHz

6.8.1 Test Setup

For Radiated emission below 30 MHz



For Radiated emission above 30 MHz



For the actual test configuration, please refer to the attached file (Test Setup Photo).

6.8.2 Test Procedure

For Radiated emission below 30 MHz

a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.

b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.

c. Parallel, perpendicular, and ground-parallel orientations of the antenna are set to make the measurement.

d. For each suspected emission, the EUT was arranged to its worst case and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

e. The test-receiver system was set to Quasi-Peak Detect Function and Specified Bandwidth with Maximum Hold Mode, except for the frequency band (9 kHz to 90 kHz and 110 kHz to 490 kHz) set to average detect function and peak detect function.

Notes:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 200 Hz at frequency below 150 kHz.
2. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 9 kHz or 10 kHz at frequency (150 kHz to 30 MHz).
3. All modes of operation were investigated and the worst-case emissions are reported.

For Radiated emission above 30 MHz

a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.

b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.

c. The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

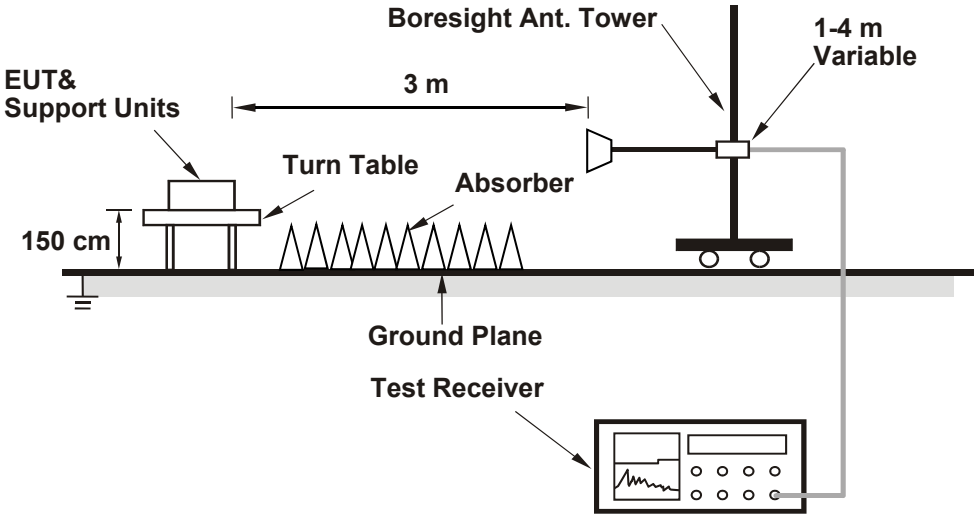
e. The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.

Notes:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120 kHz for Quasi-peak detection (QP) at frequency below 1 GHz.
2. All modes of operation were investigated and the worst-case emissions are reported.

6.9 Unwanted Emissions above 1 GHz

6.9.1 Test Setup



For the actual test configuration, please refer to the attached file (Test Setup Photo).

6.9.2 Test Procedure

a. The EUT was placed on the top of a rotating table 1.5 meters above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.

b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.

c. The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

e. The test-receiver system was set to peak and average detects function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz. If the peak reading value also meets average limit, measurement with the average detector is unnecessary.

Notes:

1. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Peak detection (PK) and Average detection (AV) at frequency above 1 GHz.
2. For fundamental and harmonic signal measurement, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is ≥ 1/T (Duty cycle < 98%) or 10 Hz (Duty cycle ≥ 98%) for Average detection (AV) at frequency above 1 GHz.
3. All modes of operation were investigated and the worst-case emissions are reported.

7 Test Results of Test Item

7.1 26 dB Bandwidth

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 60% RH	Tested By:	Frank Liu / Jisyong Wang / Gary Lin

802.11a

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
52	5260	20.16	20.07
60	5300	19.90	20.04
64	5320	19.96	20.06
100	5500	21.94	22.55
116	5580	20.68	22.79
140	5700	20.12	20.74
144 (U-NII-2C)	5720	15.41	15.37
144 (U-NII-3)	5720	4.78	5.37

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
52	5260	20.07	24.02	>	24
60	5300	19.90	23.98	<	24
64	5320	19.96	24	=	24
100	5500	21.94	24.41	>	24
116	5580	20.68	24.15	>	24
140	5700	20.12	24.03	>	24
144 (U-NII-2C)	5720	15.37	22.86	<	24

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.

20 MHz Preamble 802.11ax (RU26)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
52	5260	21.00	21.00
60	5300	20.94	20.89
64	5320	21.02	21.00
100	5500	21.04	21.11
116	5580	21.01	20.98
140	5700	21.00	20.99
144 (U-NII-2C)	5720	14.44	14.49
144 (U-NII-3)	5720	6.52	6.54

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
52	5260	21.00	24.22	>	24
60	5300	20.89	24.19	>	24
64	5320	21.00	24.22	>	24
100	5500	21.04	24.23	>	24
116	5580	20.98	24.21	>	24
140	5700	20.99	24.22	>	24
144 (U-NII-2C)	5720	14.44	22.59	<	24

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.

20 MHz Preamble 802.11ax (RU52)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
52	5260	21.11	21.28
60	5300	21.38	21.31
64	5320	21.03	20.98
100	5500	21.40	21.26
116	5580	21.31	21.35
140	5700	21.08	21.11
144 (U-NII-2C)	5720	14.49	14.41
144 (U-NII-3)	5720	7.53	7.70

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
52	5260	21.11	24.24	>	24
60	5300	21.31	24.28	>	24
64	5320	20.98	24.21	>	24
100	5500	21.26	24.27	>	24
116	5580	21.31	24.28	>	24
140	5700	21.08	24.23	>	24
144 (U-NII-2C)	5720	14.41	22.58	<	24

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.

20 MHz Preamble 802.11ax (R106)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
52	5260	21.92	21.91
60	5300	21.83	22.05
64	5320	21.58	21.67
100	5500	21.88	21.46
116	5580	21.97	21.86
140	5700	21.67	21.69
144 (U-NII-2C)	5720	15.06	15.12
144 (U-NII-3)	5720	6.48	6.49

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
52	5260	21.91	24.4	>	24
60	5300	21.83	24.39	>	24
64	5320	21.58	24.34	>	24
100	5500	21.46	24.31	>	24
116	5580	21.86	24.39	>	24
140	5700	21.67	24.35	>	24
144 (U-NII-2C)	5720	15.06	22.77	<	24

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.

802.11ax (HE20) Full RU

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
52	5260	21.45	21.75
60	5300	21.59	21.65
64	5320	21.40	21.50
100	5500	21.53	21.69
116	5580	21.79	22.19
140	5700	21.44	21.11
144 (U-NII-2C)	5720	16.05	15.94
144 (U-NII-3)	5720	5.73	5.78

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
52	5260	21.45	24.31	>	24
60	5300	21.59	24.34	>	24
64	5320	21.40	24.3	>	24
100	5500	21.53	24.33	>	24
116	5580	21.79	24.38	>	24
140	5700	21.11	24.24	>	24
144 (U-NII-2C)	5720	15.94	23.02	<	24

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.

802.11ax (HE40) Full RU

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
54	5270	41.84	41.92
62	5310	41.96	41.94
102	5510	42.03	42.22
110	5550	41.86	41.97
134	5670	41.95	42.03
142 (U-NII-2C)	5710	36.05	36.07
142 (U-NII-3)	5710	6.04	5.99

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
54	5270	41.84	27.21	>	24
62	5310	41.94	27.22	>	24
102	5510	42.03	27.23	>	24
110	5550	41.86	27.21	>	24
134	5670	41.95	27.22	>	24
142 (U-NII-2C)	5710	36.05	26.56	>	24

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.

802.11ax (HE80) Full RU

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
58	5290	83.85	83.70
106	5530	83.71	83.60
122	5610	83.69	83.46
138 (U-NII-2C)	5690	76.72	83.27
138 (U-NII-3)	5690	7.04	10.98

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
58	5290	83.70	30.22	>	24
106	5530	83.60	30.22	>	24
122	5610	83.46	30.21	>	24
138 (U-NII-2C)	5690	76.72	29.84	>	24

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.

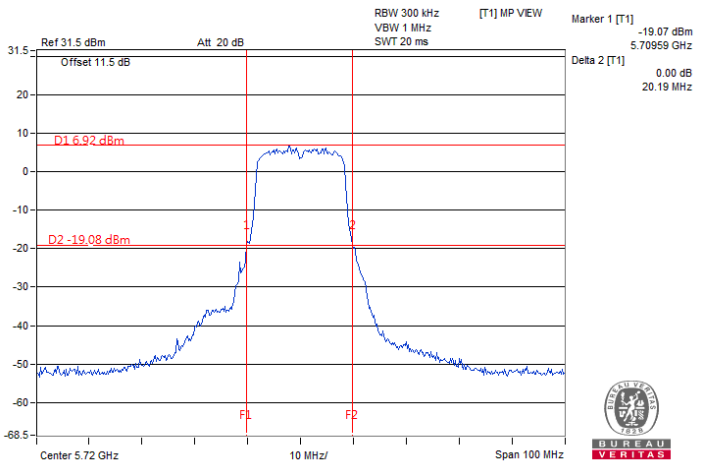
802.11ax (HE160) Full RU

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
50 (U-NII-1)	5250	84.44	84.34
50 (U-NII-2A)	5250	85.42	84.78
114	5570	170.41	231.14

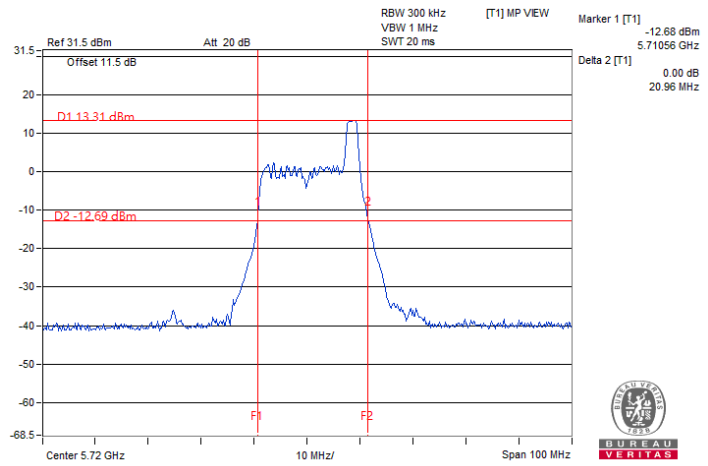
Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
50 (U-NII-2A)	5250	84.78	30.28	>	24
114	5570	170.41	33.31	>	24

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.

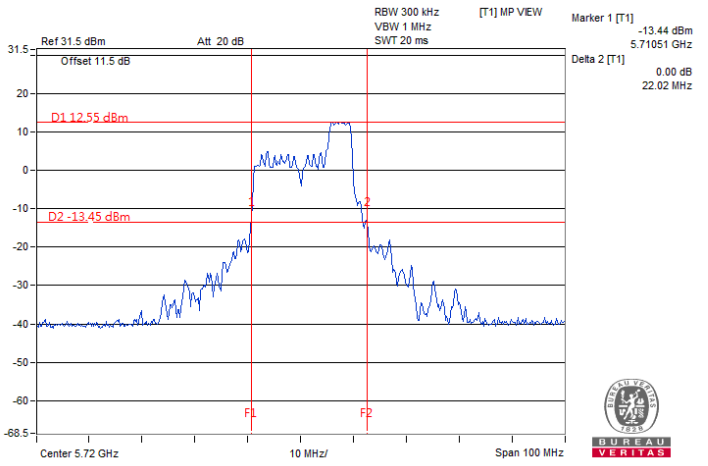
Spectrum Plot of Minimum Value



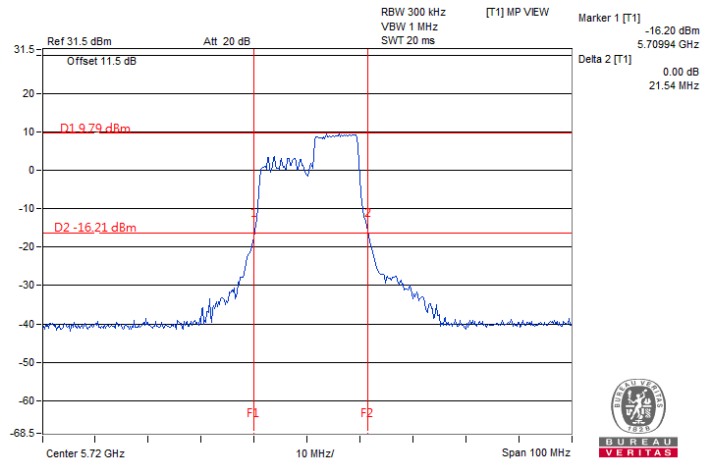
802.11a / Chain 0 : CH 144 (U-NII-3)



20 MHz Preamble 802.11ax (RU26) / Chain 0 : CH 144 (U-NII-3)

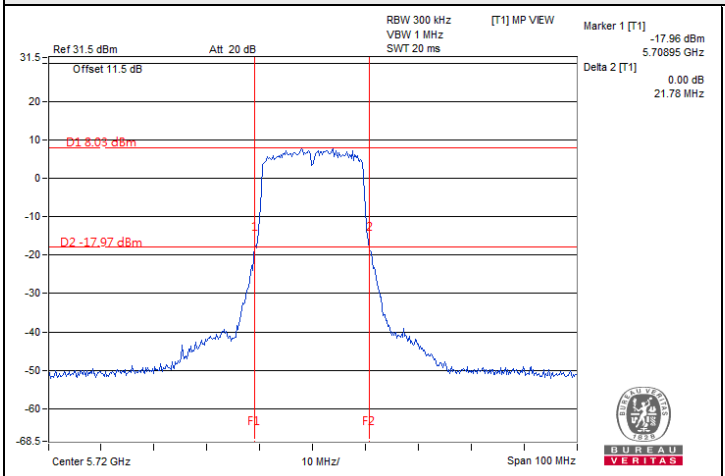


20 MHz Preamble 802.11ax (RU52) / Chain 0 : CH 144 (U-NII-3)

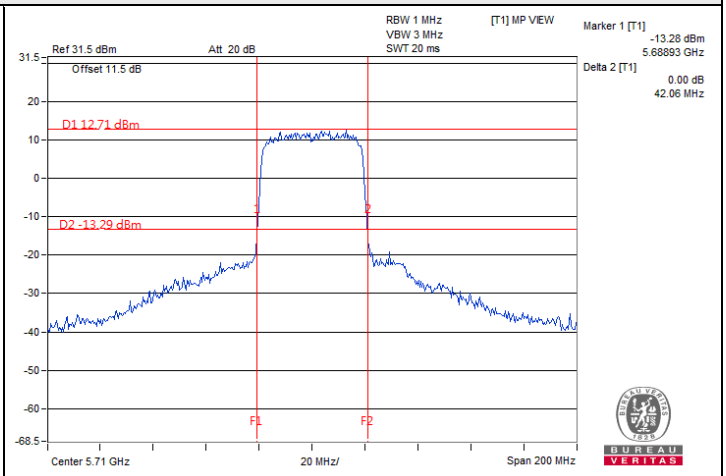


20 MHz Preamble 802.11ax (R106) / Chain 0 : CH 144 (U-NII-3)

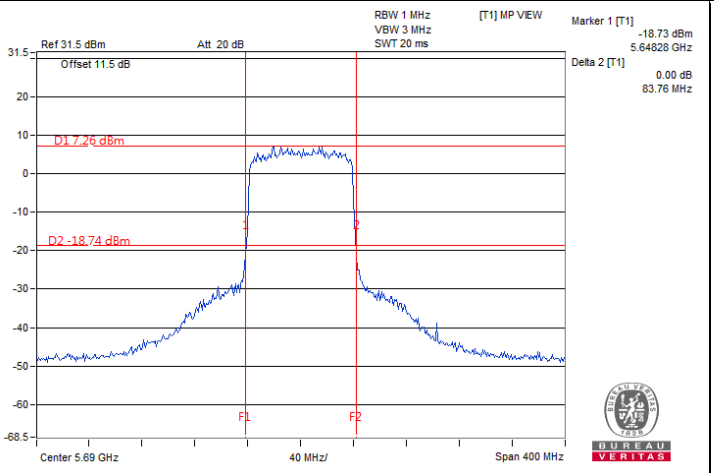
Spectrum Plot of Minimum Value



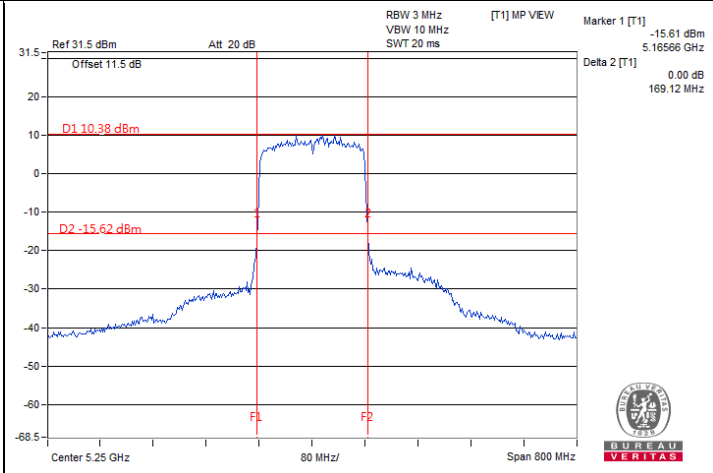
802.11ax (HE20) Full RU / Chain 0 : CH 144 (U-NII-3)



802.11ax (HE40) Full RU / Chain 1 : CH 142 (U-NII-3)



802.11ax (HE80) Full RU / Chain 0 : CH 138 (U-NII-3)



802.11ax (HE160) Full RU / Chain 1 : CH 50 (U-NII-1)

Notes:

1. For U-NII-2C straddle channel = 5725 MHz - Marker 1
2. For U-NII-3 straddle channel = Marker 1 + Delta 2 - 5725 MHz
3. For U-NII-1 straddle channel = 5250 MHz - Marker 1
4. For U-NII-2A straddle channel = Marker 1 + Delta 2 - 5250 MHz

7.2 RF Output Power

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 60% RH	Tested By:	Frank Liu / Jisyong Wang / Gary Lin

802.11a

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
36	5180	14.43	14.89	58.565	17.68	24	Pass
40	5200	14.66	14.83	59.65	17.76	24	Pass
48	5240	14.63	14.92	60.086	17.79	24	Pass
52	5260	14.23	14.84	56.964	17.56	24	Pass
60	5300	14.44	14.92	58.843	17.70	23.98	Pass
64	5320	14.56	14.99	60.126	17.79	24	Pass
100	5500	14.23	14.74	56.27	17.50	24	Pass
116	5580	14.34	14.86	57.784	17.62	24	Pass
140	5700	14.36	14.91	58.264	17.65	24	Pass
*144 (U-NII-2C)	5720	13.37	13.47	43.96	16.43	22.86	Pass
*144 (U-NII-3)	5720	7.21	7.23	10.545	10.23	30	Pass
149	5745	14.36	14.83	57.699	17.61	30	Pass
157	5785	14.49	14.92	59.165	17.72	30	Pass
165	5825	14.52	14.99	59.864	17.77	30	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the maximum gain is 3.2 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 3.2 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 3.2 dBi < 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the maximum gain is 3.2 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11n (HT20)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
36	5180	14.29	14.56	55.439	17.44	24	Pass
40	5200	14.44	14.64	56.914	17.55	24	Pass
48	5240	14.30	14.69	56.349	17.51	24	Pass
52	5260	14.16	14.57	54.701	17.38	24	Pass
60	5300	14.39	14.56	56.017	17.48	24	Pass
64	5320	14.31	14.69	56.406	17.51	24	Pass
100	5500	14.13	14.58	54.579	17.37	24	Pass
116	5580	14.10	14.39	53.175	17.26	24	Pass
140	5700	14.29	14.52	55.194	17.42	24	Pass
*144 (U-NII-2C)	5720	12.73	13.39	40.577	16.08	23.02	Pass
*144 (U-NII-3)	5720	7.36	7.84	11.526	10.62	30	Pass
149	5745	14.13	14.69	55.332	17.43	30	Pass
157	5785	14.48	14.73	57.75	17.62	30	Pass
165	5825	14.34	14.79	57.303	17.58	30	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the maximum gain is 3.2 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 3.2 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 3.2 dBi < 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the maximum gain is 3.2 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11n (HT40)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
38	5190	13.95	14.53	53.18	17.26	24	Pass
46	5230	14.09	14.66	54.887	17.39	24	Pass
54	5270	14.23	14.50	54.633	17.37	24	Pass
62	5310	14.16	14.76	55.971	17.48	24	Pass
102	5510	14.06	14.52	53.79	17.31	24	Pass
110	5550	14.15	14.78	56.056	17.49	24	Pass
134	5670	14.20	14.45	54.184	17.34	24	Pass
*142 (U-NII-2C)	5710	13.84	14.23	50.695	17.05	24	Pass
*142 (U-NII-3)	5710	4.19	4.41	5.385	7.31	30	Pass
151	5755	14.20	14.62	55.239	17.42	30	Pass
159	5795	14.11	14.71	55.307	17.43	30	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the maximum gain is 3.2 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 3.2 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 3.2 dBi < 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the maximum gain is 3.2 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ac (VHT20)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
36	5180	14.35	14.68	56.591	17.53	24	Pass
40	5200	14.48	14.81	58.355	17.66	24	Pass
48	5240	14.49	14.76	58.017	17.64	24	Pass
52	5260	14.27	14.71	56.311	17.51	24	Pass
60	5300	14.52	14.71	57.93	17.63	24	Pass
64	5320	14.40	14.70	57.05	17.56	24	Pass
100	5500	14.17	14.59	54.927	17.40	24	Pass
116	5580	14.25	14.54	55.111	17.41	24	Pass
140	5700	14.37	14.62	56.319	17.51	24	Pass
*144 (U-NII-2C)	5720	12.76	12.43	36.378	15.61	23.02	Pass
*144 (U-NII-3)	5720	7.39	7.89	11.635	10.66	30	Pass
149	5745	14.30	14.88	57.648	17.61	30	Pass
157	5785	14.57	14.86	59.239	17.73	30	Pass
165	5825	14.39	14.89	58.344	17.66	30	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the maximum gain is 3.2 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 3.2 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 3.2 dBi < 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the maximum gain is 3.2 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ac (VHT40)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
38	5190	14.04	14.71	54.944	17.40	24	Pass
46	5230	14.20	14.74	56.072	17.49	24	Pass
54	5270	14.33	14.62	56.066	17.49	24	Pass
62	5310	14.22	14.76	56.377	17.51	24	Pass
102	5510	14.17	14.58	54.814	17.39	24	Pass
110	5550	14.34	14.78	57.272	17.58	24	Pass
134	5670	14.26	14.63	55.751	17.46	24	Pass
*142 (U-NII-2C)	5710	13.89	14.27	51.221	17.09	24	Pass
*142 (U-NII-3)	5710	4.21	4.46	5.429	7.35	30	Pass
151	5755	14.31	14.78	57.036	17.56	30	Pass
159	5795	14.23	14.84	56.96	17.56	30	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the maximum gain is 3.2 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 3.2 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 3.2 dBi < 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the maximum gain is 3.2 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ac (VHT80)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
42	5210	12.46	12.89	37.077	15.69	24	Pass
58	5290	12.64	12.82	37.521	15.74	24	Pass
106	5530	12.38	12.54	35.241	15.47	24	Pass
122	5610	12.40	12.66	35.825	15.54	24	Pass
*138 (U-NII-2C)	5690	12.14	12.32	33.429	15.24	24	Pass
*138 (U-NII-3)	5690	-1.46	-0.93	1.5217	1.82	30	Pass
155	5775	12.52	12.83	37.048	15.69	30	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the maximum gain is 3.2 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 3.2 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 3.2 dBi < 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the maximum gain is 3.2 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ac (VHT160)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
*50 (U-NII-1)	5250	7.85	8.51	13.191	11.20	24	Pass
*50 (U-NII-2A)	5250	9.18	8.73	15.744	11.97	24	Pass
114	5570	11.14	11.32	26.554	14.24	24	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the maximum gain is 3.2 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 3.2 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 3.2 dBi < 6 dBi, so the output power limit shall not be reduced.

20 MHz Preamble 802.11ax (RU26)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
36	5180	12.33	12.68	35.625	15.52	24	Pass
40	5200	12.58	12.77	37.038	15.69	24	Pass
48	5240	12.56	12.84	37.238	15.71	24	Pass
52	5260	12.24	12.71	35.435	15.49	24	Pass
60	5300	12.51	12.67	36.326	15.60	24	Pass
64	5320	12.38	12.73	36.016	15.56	24	Pass
100	5500	12.15	12.49	34.164	15.34	24	Pass
116	5580	12.31	12.40	34.389	15.36	24	Pass
140	5700	12.40	12.60	35.558	15.51	24	Pass
*144 (U-NII-2C)	5720	-23.13	-23.32	0.00952	-20.21	22.59	Pass
*144 (U-NII-3)	5720	11.29	12.17	29.94	14.76	30	Pass
149	5745	12.20	12.72	35.319	15.48	30	Pass
157	5785	12.50	12.77	36.716	15.65	30	Pass
165	5825	12.45	12.81	36.661	15.64	30	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2 and use spectrum analyzer test , the duty factor was included in the total power.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the maximum gain is 3.2 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 3.2 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 3.2 dBi < 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the maximum gain is 3.2 dBi < 6 dBi, so the output power limit shall not be reduced.

20 MHz Preamble 802.11ax (RU52)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
36	5180	14.32	14.75	56.917	17.55	24	Pass
40	5200	14.53	14.81	58.644	17.68	24	Pass
48	5240	14.60	14.83	59.273	17.73	24	Pass
52	5260	14.40	14.75	57.433	17.59	24	Pass
60	5300	14.53	14.76	58.273	17.65	24	Pass
64	5320	14.48	14.81	58.313	17.66	24	Pass
100	5500	14.29	14.52	55.162	17.42	24	Pass
116	5580	14.32	14.49	55.166	17.42	24	Pass
140	5700	14.45	14.64	56.996	17.56	24	Pass
*144 (U-NII-2C)	5720	-10.90	-10.12	0.17856	-7.48	22.58	Pass
*144 (U-NII-3)	5720	13.84	14.05	49.62	16.96	30	Pass
149	5745	14.28	14.88	57.546	17.60	30	Pass
157	5785	14.54	14.86	59.091	17.72	30	Pass
165	5825	14.46	14.89	58.729	17.69	30	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2 and use spectrum analyzer test , the duty factor was included in the total power.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the maximum gain is 3.2 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 3.2 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 3.2 dBi < 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the maximum gain is 3.2 dBi < 6 dBi, so the output power limit shall not be reduced.

20 MHz Preamble 802.11ax (R106)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
36	5180	14.38	14.79	57.54	17.60	24	Pass
40	5200	14.60	14.84	59.333	17.73	24	Pass
48	5240	14.60	14.90	59.772	17.76	24	Pass
52	5260	14.41	14.82	57.955	17.63	24	Pass
60	5300	14.56	14.78	58.643	17.68	24	Pass
64	5320	14.52	14.82	58.653	17.68	24	Pass
100	5500	14.34	14.60	56.012	17.48	24	Pass
116	5580	14.39	14.57	56.098	17.49	24	Pass
140	5700	14.52	14.69	57.755	17.62	24	Pass
*144 (U-NII-2C)	5720	9.62	10.24	19.73	12.95	22.77	Pass
*144 (U-NII-3)	5720	10.77	11.57	26.295	14.20	30	Pass
149	5745	14.32	14.89	57.841	17.62	30	Pass
157	5785	14.60	14.92	59.868	17.77	30	Pass
165	5825	14.51	14.96	59.586	17.75	30	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the maximum gain is 3.2 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 3.2 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 3.2 dBi < 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the maximum gain is 3.2 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE20) Full RU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
36	5180	14.43	14.85	58.282	17.66	24	Pass
40	5200	14.67	14.92	60.355	17.81	24	Pass
48	5240	14.66	14.93	60.359	17.81	24	Pass
52	5260	14.42	14.87	58.36	17.66	24	Pass
60	5300	14.64	14.81	59.376	17.74	24	Pass
64	5320	14.59	14.89	59.606	17.75	24	Pass
100	5500	14.37	14.61	56.259	17.50	24	Pass
116	5580	14.44	14.63	56.837	17.55	24	Pass
140	5700	14.56	14.76	58.499	17.67	24	Pass
*144 (U-NII-2C)	5720	12.86	13.48	41.604	16.19	23.02	Pass
*144 (U-NII-3)	5720	7.48	7.93	11.806	10.72	30	Pass
149	5745	14.37	14.92	58.398	17.66	30	Pass
157	5785	14.63	14.95	60.301	17.80	30	Pass
165	5825	14.58	14.97	60.113	17.79	30	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the maximum gain is 3.2 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 3.2 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 3.2 dBi < 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the maximum gain is 3.2 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE40) Full RU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
38	5190	14.23	14.76	56.408	17.51	24	Pass
46	5230	14.34	14.83	57.573	17.60	24	Pass
54	5270	14.37	14.78	57.413	17.59	24	Pass
62	5310	14.42	14.79	57.799	17.62	24	Pass
102	5510	14.28	14.74	56.577	17.53	24	Pass
110	5550	14.44	14.83	58.206	17.65	24	Pass
134	5670	14.42	14.79	57.799	17.62	24	Pass
*142 (U-NII-2C)	5710	13.95	14.31	51.809	17.14	24	Pass
*142 (U-NII-3)	5710	4.26	4.52	5.498	7.40	30	Pass
151	5755	14.32	14.89	57.871	17.62	30	Pass
159	5795	14.34	14.91	58.139	17.64	30	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the maximum gain is 3.2 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 3.2 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 3.2 dBi < 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the maximum gain is 3.2 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE80) Full RU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
42	5210	12.47	12.97	37.476	15.74	24	Pass
58	5290	12.75	12.98	38.697	15.88	24	Pass
106	5530	12.43	12.64	35.864	15.55	24	Pass
122	5610	12.48	12.69	36.279	15.60	24	Pass
*138 (U-NII-2C)	5690	12.17	12.37	33.74	15.28	24	Pass
*138 (U-NII-3)	5690	-1.42	-0.87	1.5396	1.87	30	Pass
155	5775	12.63	12.97	38.138	15.81	30	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the maximum gain is 3.2 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 3.2 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 3.2 dBi < 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the maximum gain is 3.2 dBi < 6 dBi, so the output power limit shall not be reduced.

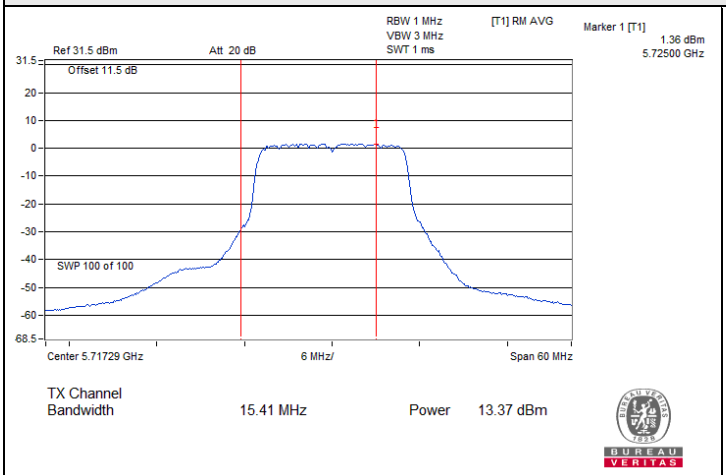
802.11ax (HE160) Full RU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
*50 (U-NII-1)	5250	7.88	8.56	13.316	11.24	24	Pass
*50 (U-NII-2A)	5250	9.23	8.89	16.12	12.07	24	Pass
114	5570	11.15	11.36	26.709	14.27	24	Pass

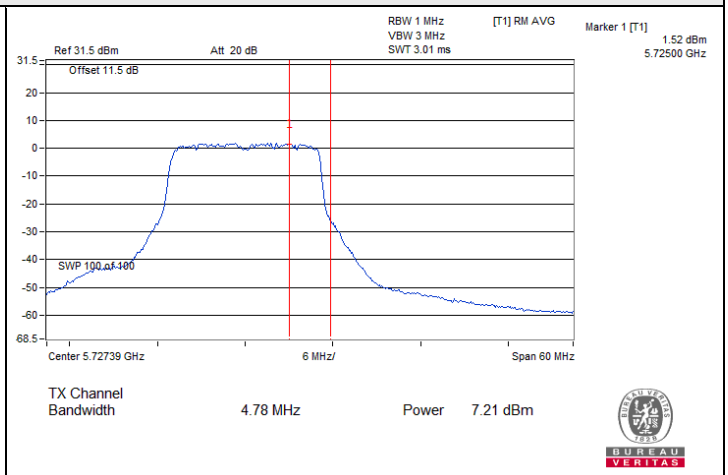
Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the maximum gain is 3.2 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 3.2 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 3.2 dBi < 6 dBi, so the output power limit shall not be reduced.

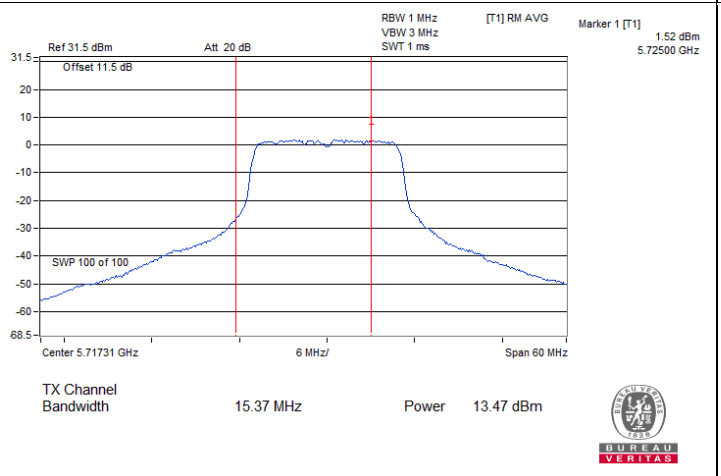
Spectrum Plot for channel straddling



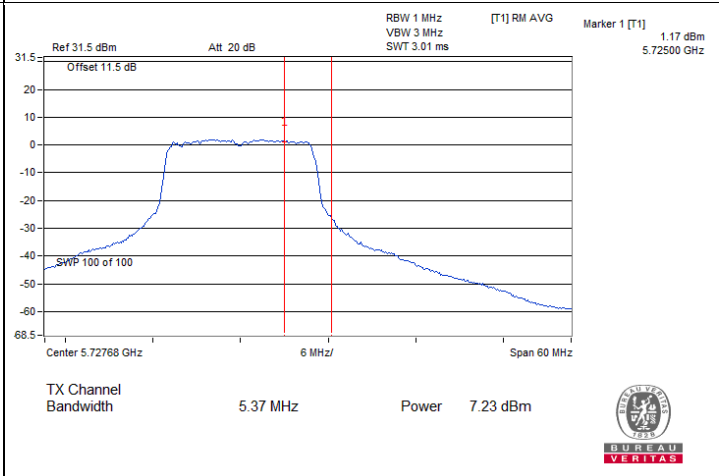
802.11a / Chain 0 : CH 144 (U-NII-2C)



802.11a / Chain 0 : CH 144 (U-NII-3)

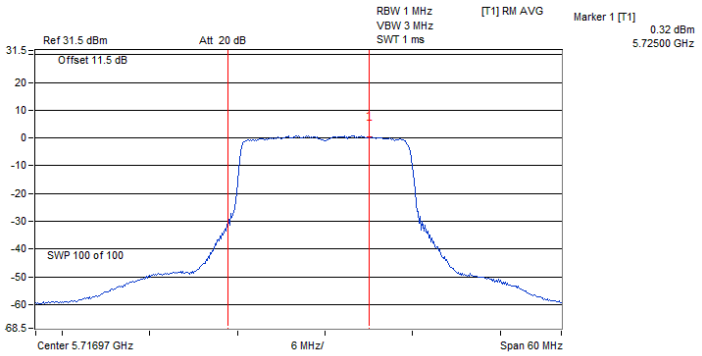


802.11a / Chain 1 : CH 144 (U-NII-2C)



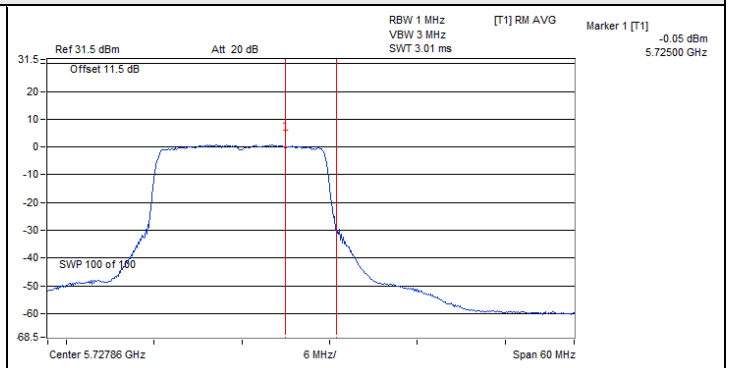
802.11a / Chain 1 : CH 144 (U-NII-3)

Spectrum Plot for channel straddling



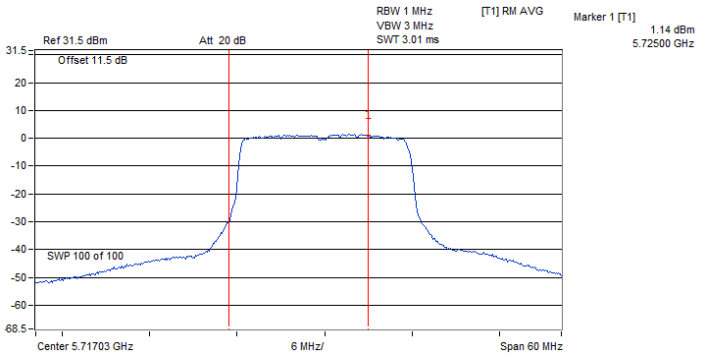
TX Channel Bandwidth 16.05 MHz Power 12.86 dBm

802.11ax (HE20) Full RU / Chain 0 : CH 144 (U-NII-2C)



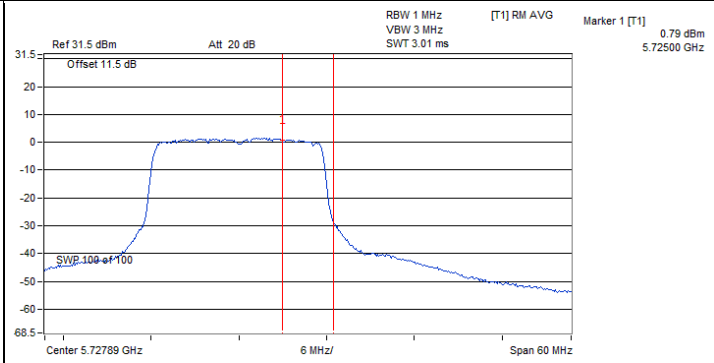
TX Channel Bandwidth 5.73 MHz Power 7.48 dBm

802.11ax (HE20) Full RU / Chain 0 : CH 144 (U-NII-3)



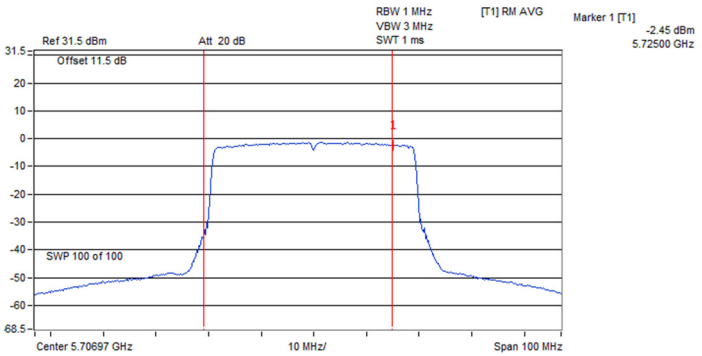
TX Channel Bandwidth 15.94 MHz Power 13.48 dBm

802.11ax (HE20) Full RU / Chain 1 : CH 144 (U-NII-2C)



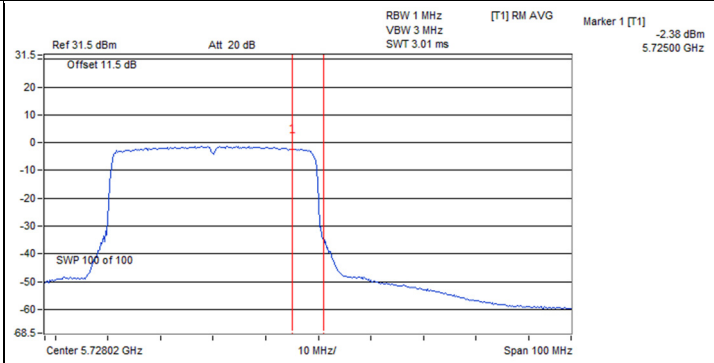
TX Channel Bandwidth 5.78 MHz Power 7.93 dBm

802.11ax (HE20) Full RU / Chain 1 : CH 144 (U-NII-3)



TX Channel Bandwidth 36.05 MHz Power 13.95 dBm

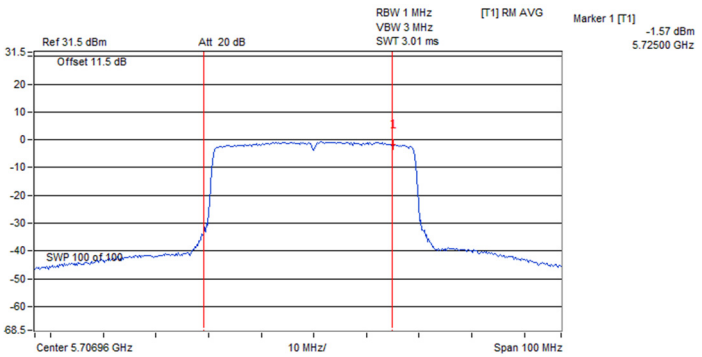
802.11ax (HE40) Full RU / Chain 0 : CH 142 (U-NII-2C)



TX Channel Bandwidth 6.04 MHz Power 4.26 dBm

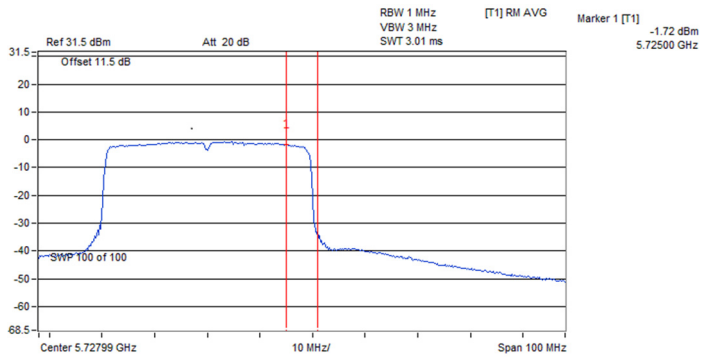
802.11ax (HE40) Full RU / Chain 0 : CH 142 (U-NII-3)

Spectrum Plot for channel straddling



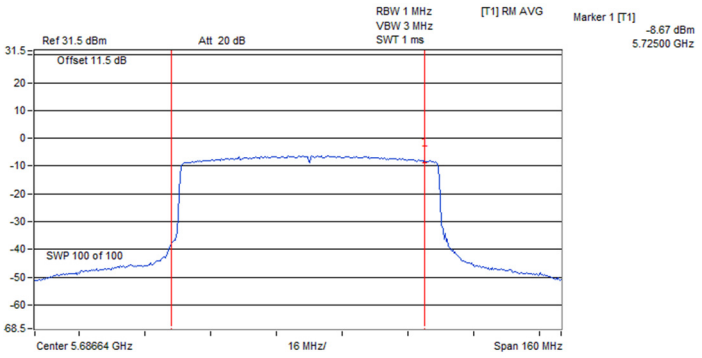
TX Channel Bandwidth 36.07 MHz Power 14.31 dBm

802.11ax (HE40) Full RU / Chain 1 : CH 142 (U-NII-2C)



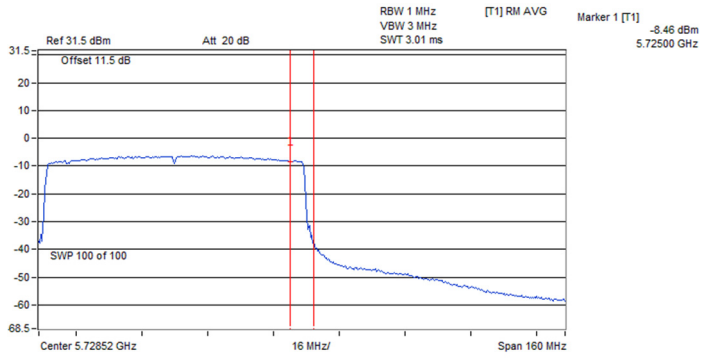
TX Channel Bandwidth 5.99 MHz Power 4.52 dBm

802.11ax (HE40) Full RU / Chain 1 : CH 142 (U-NII-3)



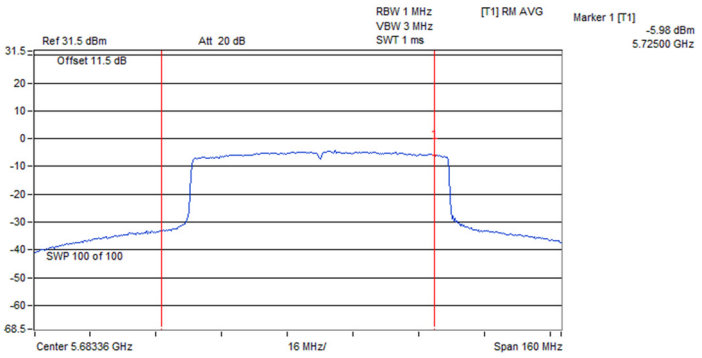
TX Channel Bandwidth 76.72 MHz Power 12.17 dBm

802.11ax (HE80) Full RU / Chain 0 : CH 138 (U-NII-2C)



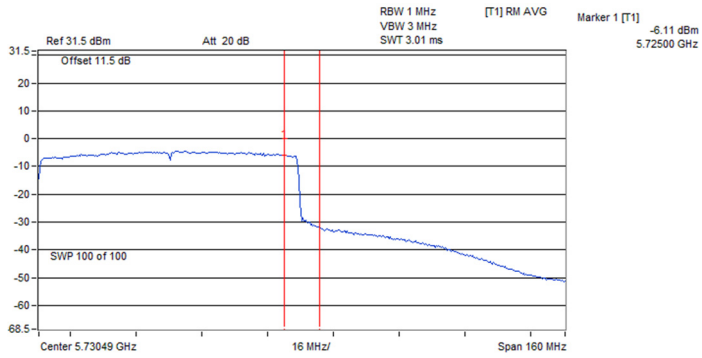
TX Channel Bandwidth 7.04 MHz Power -1.42 dBm

802.11ax (HE80) Full RU / Chain 0 : CH 138 (U-NII-3)



TX Channel Bandwidth 83.27 MHz Power 12.37 dBm

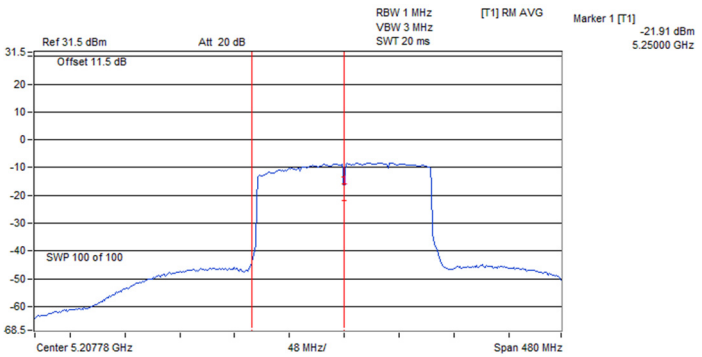
802.11ax (HE80) Full RU / Chain 1 : CH 138 (U-NII-2C)



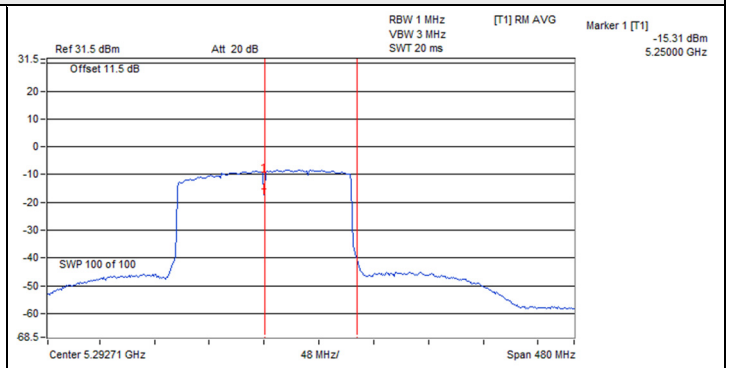
TX Channel Bandwidth 10.98 MHz Power -0.87 dBm

802.11ax (HE80) Full RU / Chain 1 : CH 138 (U-NII-3)

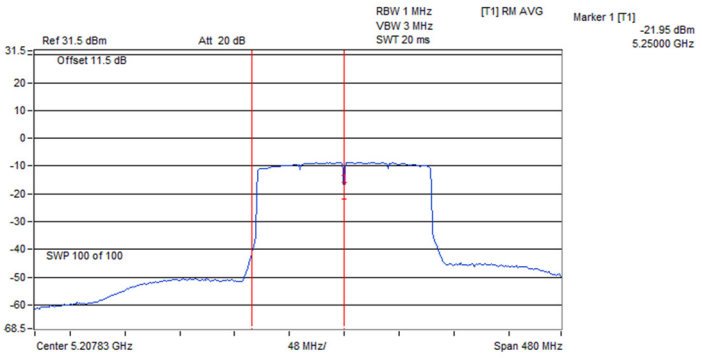
Spectrum Plot for channel straddling



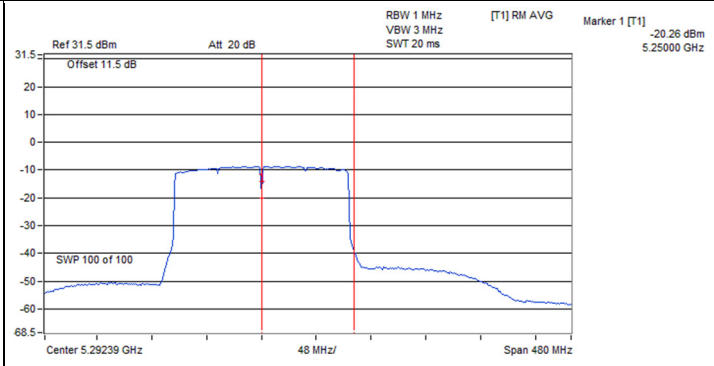
802.11ax (HE160) Full RU / Chain 0 : CH 50 (U-NII-1)



802.11ax (HE160) Full RU / Chain 0 : CH 50 (U-NII-2A)



802.11ax (HE160) Full RU / Chain 1 : CH 50 (U-NII-1)



802.11ax (HE160) Full RU / Chain 1 : CH 50 (U-NII-2A)

7.3 Power Spectral Density

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 60% RH	Tested By:	Frank Liu / Jisyong Wang / Gary Lin

802.11a

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
36	5180	1.28	1.86	4.59	11	Pass
40	5200	1.68	1.84	4.77	11	Pass
48	5240	1.55	1.81	4.69	11	Pass
52	5260	1.18	1.77	4.50	11	Pass
60	5300	1.38	1.75	4.58	11	Pass
64	5320	1.38	1.89	4.65	11	Pass
100	5500	1.11	1.84	4.50	11	Pass
116	5580	1.33	1.81	4.59	11	Pass
140	5700	0.97	1.98	4.51	11	Pass
144 (U-NII-2C)	5720	1.54	1.95	4.76	11	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = $10 \log[(10^{Chain0/20} + 10^{Chain1/20})^2 / 2]$
3. For U-NII-1, the directional gain is 5.68 dBi < 6dBi, so the power density limit shall not be reduced.
4. For U-NII-2A, the directional gain is 5.68 dBi < 6 dBi, so the power density limit shall not be reduced.
5. For U-NII-2C, the directional gain is 5.68 dBi < 6 dBi, so the power density limit shall not be reduced.

20 MHz Preamble 802.11ax (RU26)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
36	5180	7.16	7.64	10.42	11	Pass
40	5200	7.45	7.93	10.71	11	Pass
48	5240	7.47	7.76	10.63	11	Pass
52	5260	7.00	7.50	10.27	11	Pass
60	5300	7.60	7.31	10.47	11	Pass
64	5320	7.39	7.86	10.64	11	Pass
100	5500	7.28	7.18	10.24	11	Pass
116	5580	7.30	7.75	10.54	11	Pass
140	5700	7.55	7.56	10.57	11	Pass
144 (U-NII-2C)	5720	-22.66	-21.86	-19.23	11	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = 10 log[$(10^{Chain0/20} + 10^{Chain1/20})^2$ / 2]
3. For U-NII-1, the directional gain is 5.68 dBi < 6dBi, so the power density limit shall not be reduced.
4. For U-NII-2A, the directional gain is 5.68 dBi < 6 dBi, so the power density limit shall not be reduced.
5. For U-NII-2C, the directional gain is 5.68 dBi < 6 dBi, so the power density limit shall not be reduced.

20 MHz Preamble 802.11ax (RU52)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
36	5180	7.24	7.80	10.54	11	Pass
40	5200	7.48	8.08	10.80	11	Pass
48	5240	7.57	7.62	10.61	11	Pass
52	5260	7.51	7.62	10.58	11	Pass
60	5300	7.61	7.63	10.63	11	Pass
64	5320	7.38	7.82	10.62	11	Pass
100	5500	7.31	7.54	10.44	11	Pass
116	5580	7.29	7.39	10.35	11	Pass
140	5700	7.45	7.44	10.46	11	Pass
144 (U-NII-2C)	5720	-5.04	-4.59	-1.80	11	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = 10 log[$(10^{Chain0/20} + 10^{Chain1/20})^2$ / 2]
3. For U-NII-1, the directional gain is 5.68 dBi < 6dBi, so the power density limit shall not be reduced.
4. For U-NII-2A, the directional gain is 5.68 dBi < 6 dBi, so the power density limit shall not be reduced.
5. For U-NII-2C, the directional gain is 5.68 dBi < 6 dBi, so the power density limit shall not be reduced.

20 MHz Preamble 802.11ax (R106)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
36	5180	4.20	4.76	7.50	11	Pass
40	5200	4.44	4.91	7.69	11	Pass
48	5240	4.52	4.70	7.62	11	Pass
52	5260	4.44	4.86	7.67	11	Pass
60	5300	4.45	4.47	7.47	11	Pass
64	5320	4.37	4.68	7.54	11	Pass
100	5500	4.33	4.49	7.42	11	Pass
116	5580	4.23	4.82	7.55	11	Pass
140	5700	4.36	4.35	7.37	11	Pass
144 (U-NII-2C)	5720	4.36	4.26	7.32	11	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = 10 log[$(10^{Chain0/20} + 10^{Chain1/20})^2$ / 2]
3. For U-NII-1, the directional gain is 5.68 dBi < 6dBi, so the power density limit shall not be reduced.
4. For U-NII-2A, the directional gain is 5.68 dBi < 6 dBi, so the power density limit shall not be reduced.
5. For U-NII-2C, the directional gain is 5.68 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11ax (HE20) Full RU

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
36	5180	1.47	1.64	4.57	11	Pass
40	5200	1.66	1.98	4.83	11	Pass
48	5240	1.61	1.83	4.73	11	Pass
52	5260	1.46	1.73	4.61	11	Pass
60	5300	1.67	1.50	4.60	11	Pass
64	5320	1.55	1.81	4.69	11	Pass
100	5500	1.41	1.57	4.50	11	Pass
116	5580	1.32	1.67	4.51	11	Pass
140	5700	1.46	1.54	4.51	11	Pass
144 (U-NII-2C)	5720	1.35	1.78	4.58	11	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = 10 log[$(10^{Chain0/20} + 10^{Chain1/20})^2$ / 2]
3. For U-NII-1, the directional gain is 5.68 dBi < 6dBi, so the power density limit shall not be reduced.
4. For U-NII-2A, the directional gain is 5.68 dBi < 6 dBi, so the power density limit shall not be reduced.
5. For U-NII-2C, the directional gain is 5.68 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11ax (HE40) Full RU

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
38	5190	-1.70	-1.27	1.53	11	Pass
46	5230	-1.48	-1.32	1.61	11	Pass
54	5270	-1.65	-1.25	1.56	11	Pass
62	5310	-1.56	-1.39	1.54	11	Pass
102	5510	-1.53	-1.32	1.59	11	Pass
110	5550	-1.68	-1.23	1.56	11	Pass
134	5670	-1.57	-1.43	1.51	11	Pass
142 (U-NII-2C)	5710	-1.88	-1.19	1.49	11	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = 10 log[$(10^{Chain0/20} + 10^{Chain1/20})^2$ / 2]
3. For U-NII-1, the directional gain is 5.68 dBi < 6dBi, so the power density limit shall not be reduced.
4. For U-NII-2A, the directional gain is 5.68 dBi < 6 dBi, so the power density limit shall not be reduced.
5. For U-NII-2C, the directional gain is 5.68 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11ax (HE80) Full RU

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
42	5210	-6.41	-6.09	-3.24	11	Pass
58	5290	-6.37	-6.36	-3.35	11	Pass
106	5530	-6.45	-6.37	-3.40	11	Pass
122	5610	-6.66	-6.21	-3.42	11	Pass
138 (U-NII-2C)	5690	-6.47	-6.78	-3.61	11	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = 10 log[$(10^{Chain0/20} + 10^{Chain1/20})^2$ / 2]
3. For U-NII-1, the directional gain is 5.68 dBi < 6dBi, so the power density limit shall not be reduced.
4. For U-NII-2A, the directional gain is 5.68 dBi < 6 dBi, so the power density limit shall not be reduced.
5. For U-NII-2C, the directional gain is 5.68 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11ax (HE160) Full RU

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
50 (U-NII-1)	5250	-10.10	-9.98	-7.03	11	Pass
50 (U-NII-2A)	5250	-10.09	-9.94	-7.00	11	Pass
114	5570	-10.73	-10.76	-7.73	11	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = 10 log[$(10^{Chain0/20} + 10^{Chain1/20})^2$ / 2]
3. For U-NII-1, the directional gain is 5.68 dBi < 6dBi, so the power density limit shall not be reduced.
4. For U-NII-2A, the directional gain is 5.68 dBi < 6 dBi, so the power density limit shall not be reduced.
5. For U-NII-2C, the directional gain is 5.68 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11a

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1				
144 (U-NII-3)	5720	-6.97	-6.35	-3.64	-1.42	30	Pass
149	5745	-6.82	-6.45	-3.62	-1.40	30	Pass
157	5785	-6.59	-6.28	-3.42	-1.20	30	Pass
165	5825	-6.91	-6.20	-3.53	-1.31	30	Pass

Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. Directional gain = 10 log[$(10^{Chain0/20} + 10^{Chain1/20})^2$ / 2]
3. For U-NII-3, the directional gain is 5.68 dBi < 6 dBi, so the power density limit shall not be reduced.

20 MHz Preamble 802.11ax (RU26)

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1				
144 (U-NII-3)	5720	-1.26	-0.48	2.16	4.38	30	Pass
149	5745	-0.83	-0.55	2.32	4.54	30	Pass
157	5785	-0.87	-0.41	2.38	4.60	30	Pass
165	5825	-0.82	-0.30	2.46	4.68	30	Pass

Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. Directional gain = 10 log[$(10^{Chain0/20} + 10^{Chain1/20})^2$ / 2]
3. For U-NII-3, the directional gain is 5.68 dBi < 6 dBi, so the power density limit shall not be reduced.

20 MHz Preamble 802.11ax (RU52)

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1				
144 (U-NII-3)	5720	-2.08	-1.83	1.06	3.28	30	Pass
149	5745	-1.81	-1.34	1.44	3.66	30	Pass
157	5785	-1.78	-1.40	1.42	3.64	30	Pass
165	5825	-1.83	-1.38	1.41	3.63	30	Pass

Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. Directional gain = 10 log[$(10^{Chain0/20} + 10^{Chain1/20})^2$ / 2]
3. For U-NII-3, the directional gain is 5.68 dBi < 6 dBi, so the power density limit shall not be reduced.

20 MHz Preamble 802.11ax (R106)

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1				
144 (U-NII-3)	5720	-5.19	-4.67	-1.91	0.31	30	Pass
149	5745	-4.81	-4.29	-1.53	0.69	30	Pass
157	5785	-4.90	-4.38	-1.62	0.60	30	Pass
165	5825	-5.18	-4.75	-1.95	0.27	30	Pass

Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. Directional gain = 10 log[$(10^{Chain0/20} + 10^{Chain1/20})^2$ / 2]
3. For U-NII-3, the directional gain is 5.68 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11ax (HE20) Full RU

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1				
144 (U-NII-3)	5720	-8.30	-7.85	-5.06	-2.84	30	Pass
149	5745	-7.85	-7.50	-4.66	-2.44	30	Pass
157	5785	-7.72	-7.37	-4.53	-2.31	30	Pass
165	5825	-7.81	-7.41	-4.6	-2.38	30	Pass

Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. Directional gain = 10 log[$(10^{Chain0/20} + 10^{Chain1/20})^2$ / 2]
3. For U-NII-3, the directional gain is 5.68 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11ax (HE40) Full RU

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1				
142 (U-NII-3)	5710	-11.13	-10.56	-7.83	-5.61	30	Pass
151	5755	-10.44	-10.14	-7.28	-5.06	30	Pass
159	5795	-10.26	-9.78	-7	-4.78	30	Pass

Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. Directional gain = 10 log[$(10^{Chain0/20} + 10^{Chain1/20})^2$ / 2]
3. For U-NII-3, the directional gain is 5.68 dBi < 6 dBi, so the power density limit shall not be reduced.

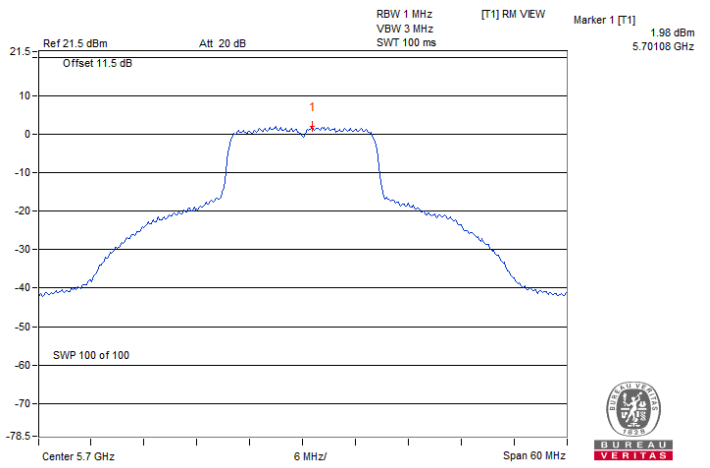
802.11ax (HE80) Full RU

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1				
138 (U-NII-3)	5690	-15.44	-15.01	-12.21	-9.99	30	Pass
155	5775	-13.52	-12.99	-10.24	-8.02	30	Pass

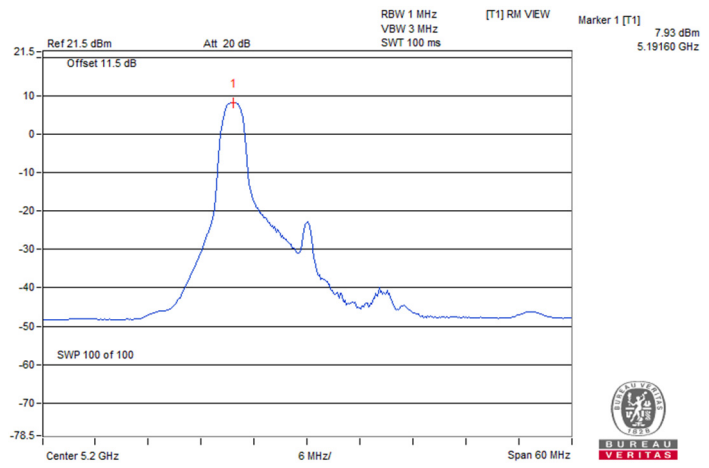
Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. Directional gain = 10 log[($10^{Chain0/20}$ + $10^{Chain1/20}$)^2 / 2]
3. For U-NII-3, the directional gain is 5.68 dBi < 6 dBi, so the power density limit shall not be reduced.

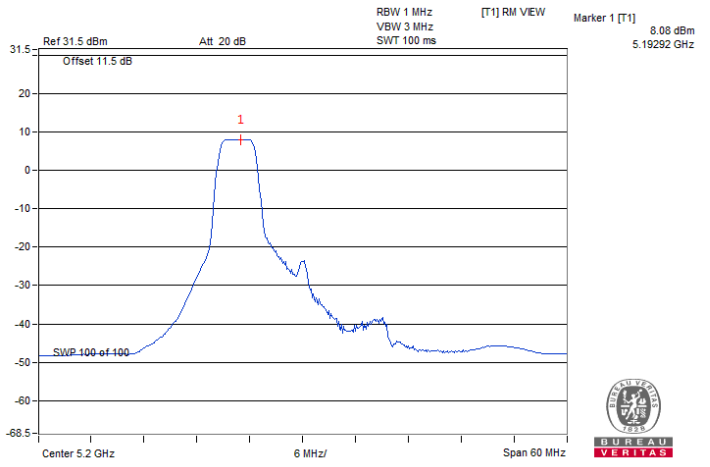
Spectrum Plot of Maximum Value



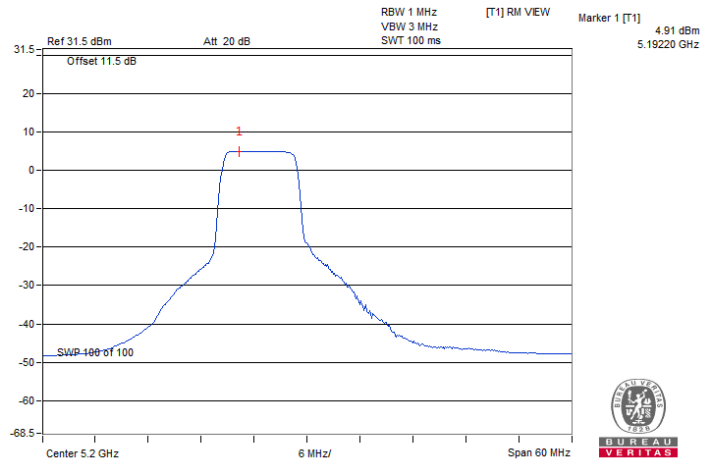
802.11a / Chain 1 : CH 140



20 MHz Preamble 802.11ax (RU26) / Chain 1 : CH 40

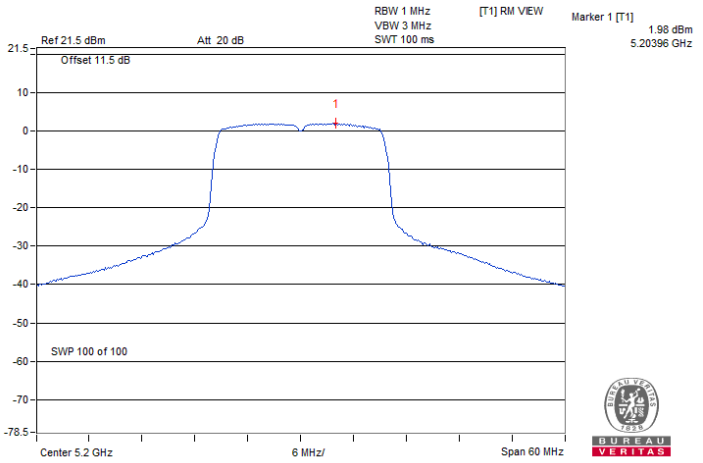


20 MHz Preamble 802.11ax (RU52) / Chain 1 : CH 40

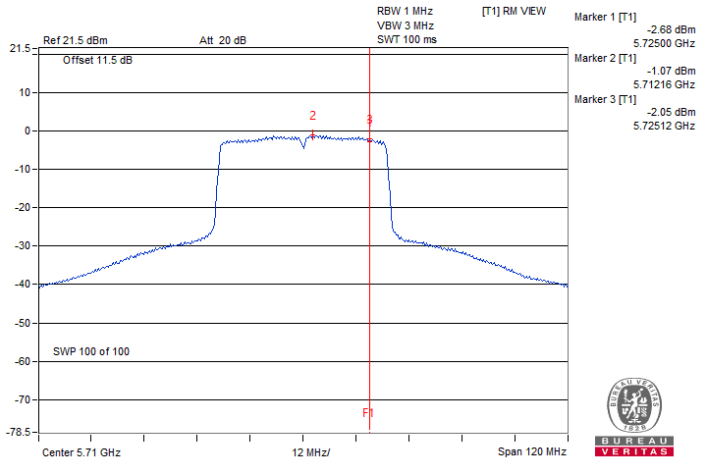


20 MHz Preamble 802.11ax (R106) / Chain 1 : CH 40

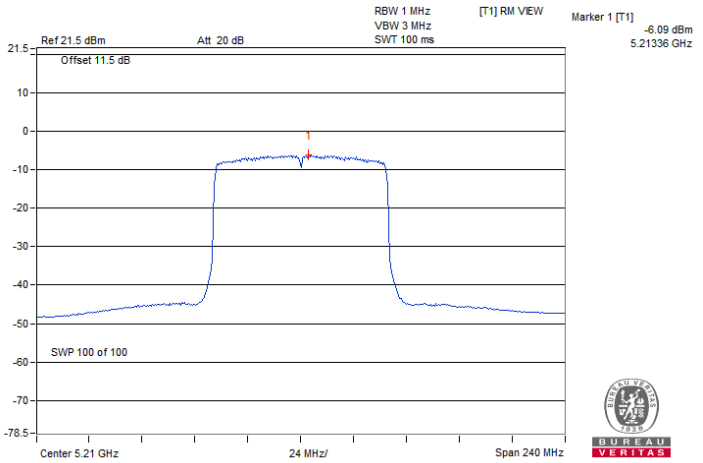
Spectrum Plot of Maximum Value



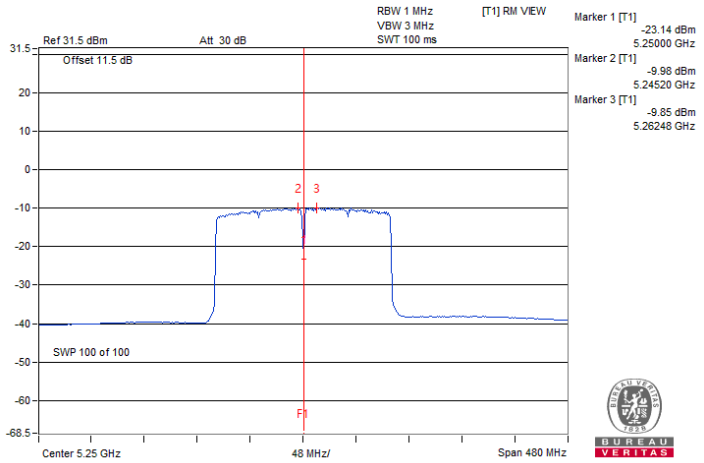
802.11ax (HE20) Full RU / Chain 1 : CH 40



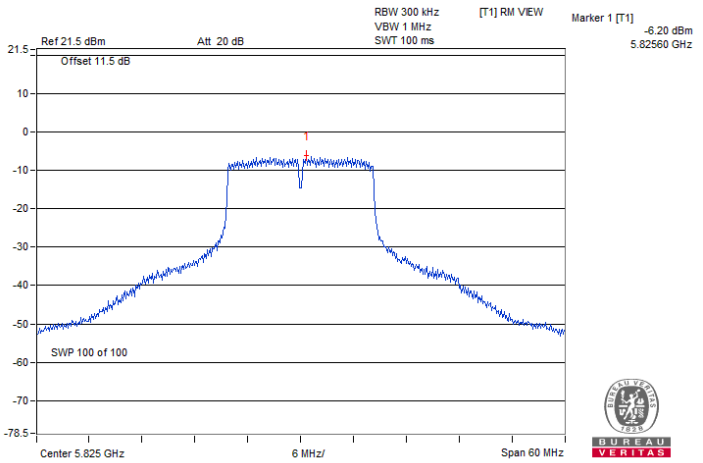
802.11ax (HE40) Full RU / Chain 1 : CH 142 (U-NII-2C)



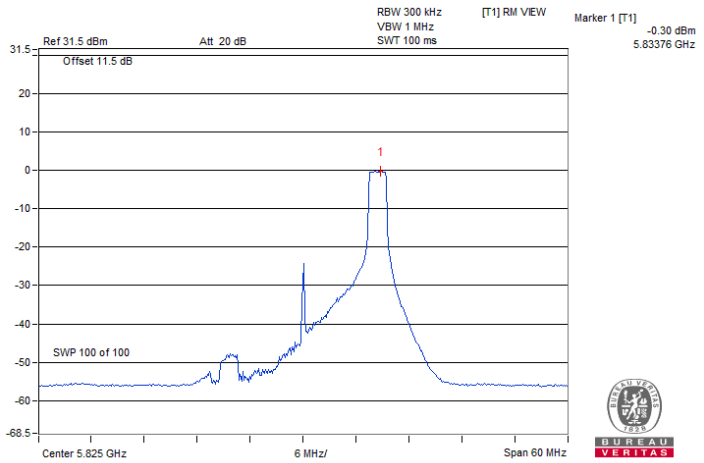
802.11ax (HE80) Full RU / Chain 1 : CH 42



802.11ax (HE160) Full RU / Chain 1 : CH 50 (U-NII-2A)

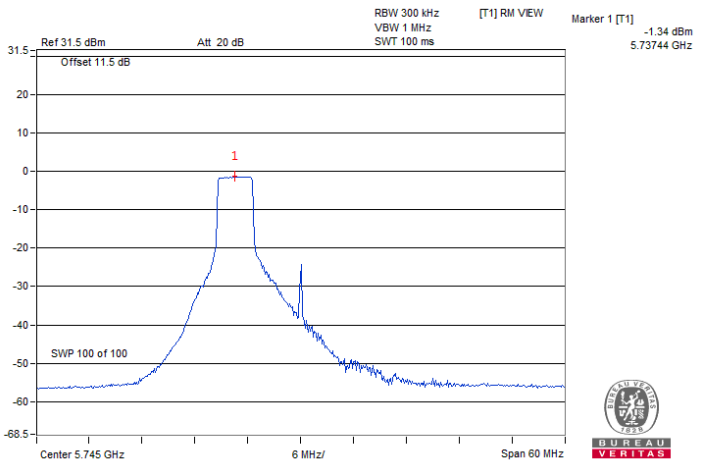


802.11a / Chain 1 : CH 165

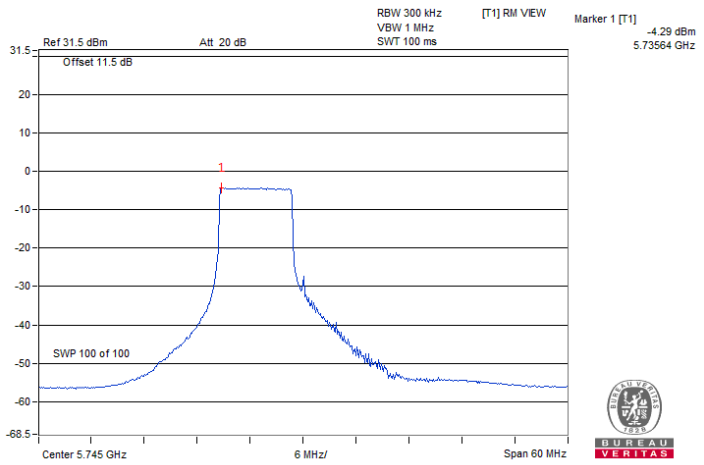


20 MHz Preamble 802.11ax (RU26) / Chain 1 : CH 165

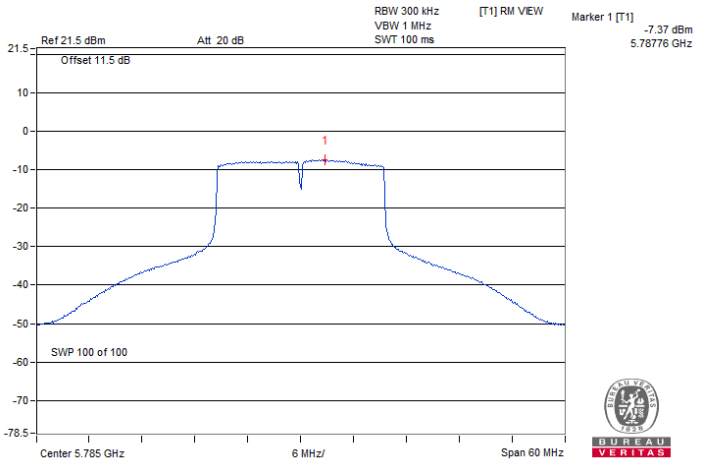
Spectrum Plot of Maximum Value



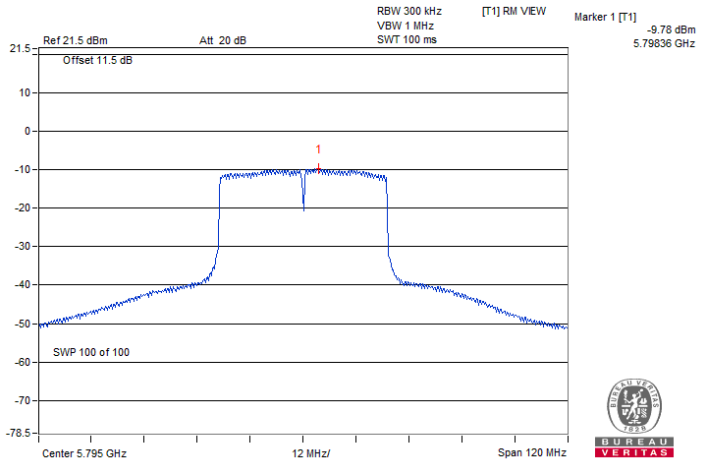
20 MHz Preamble 802.11ax (RU52) / Chain 1 : CH 149



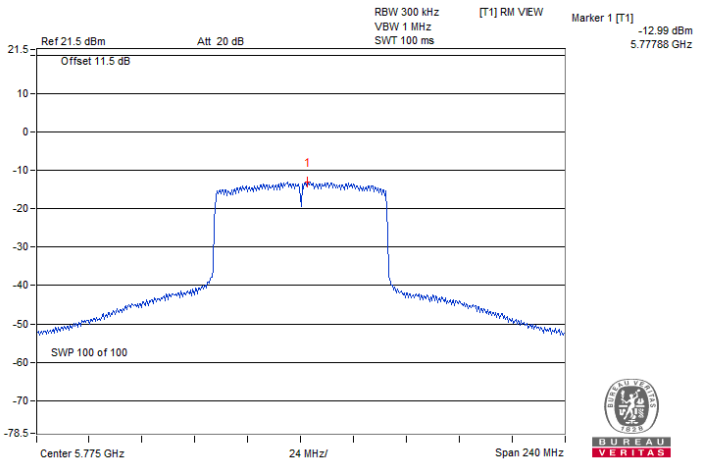
20 MHz Preamble 802.11ax (R106) / Chain 1 : CH 149



802.11ax (HE20) Full RU / Chain 1 : CH 157



802.11ax (HE40) Full RU / Chain 1 : CH 159



802.11ax (HE80) Full RU / Chain 1 : CH 155

7.4 6 dB Bandwidth

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 60% RH	Tested By:	Frank Liu / Jisyong Wang / Gary Lin

802.11a

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
144 (U-NII-3)	5720	3.12	3.10	0.5	Pass
149	5745	16.32	16.33	0.5	Pass
157	5785	16.31	16.32	0.5	Pass
165	5825	16.32	16.36	0.5	Pass

802.11ax (HE20) Full RU

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
144 (U-NII-3)	5720	4.36	4.25	0.5	Pass
149	5745	18.79	18.24	0.5	Pass
157	5785	18.75	18.72	0.5	Pass
165	5825	18.86	18.60	0.5	Pass

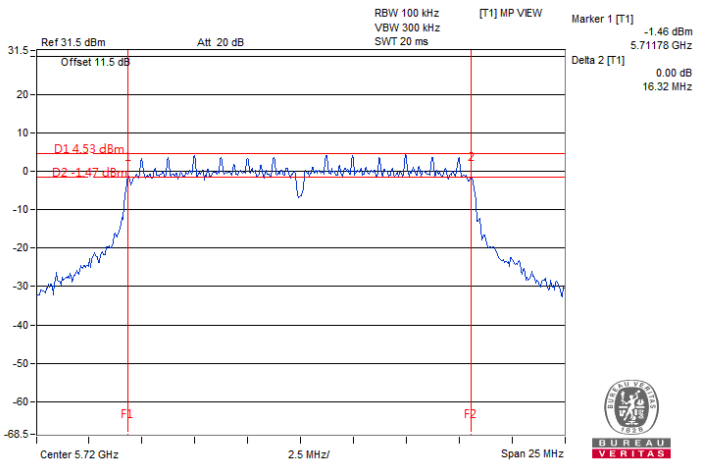
802.11ax (HE40) Full RU

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
142 (U-NII-3)	5710	3.92	3.43	0.5	Pass
151	5755	37.55	36.97	0.5	Pass
159	5795	37.94	37.71	0.5	Pass

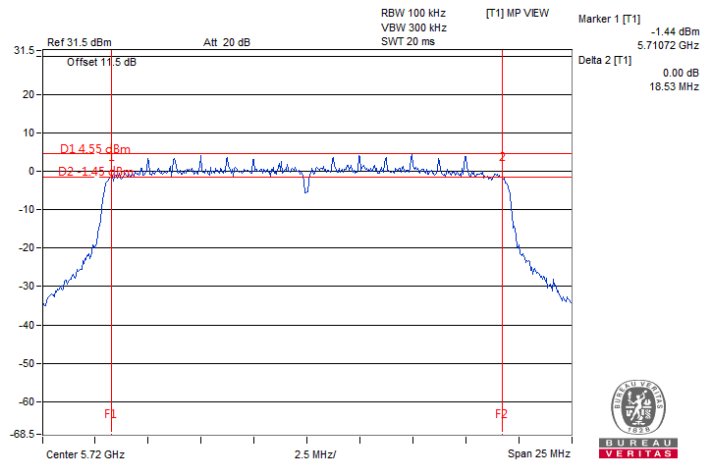
802.11ax (HE80) Full RU

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
138 (U-NII-3)	5690	3.77	3.65	0.5	Pass
155	5775	76.28	75.53	0.5	Pass

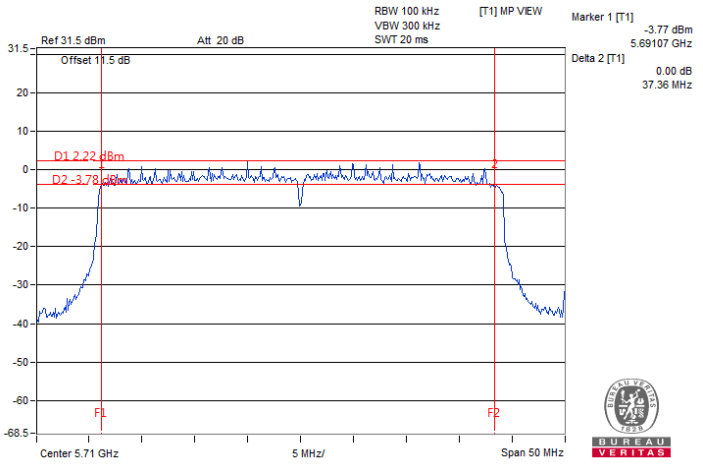
Spectrum Plot of Minimum Value



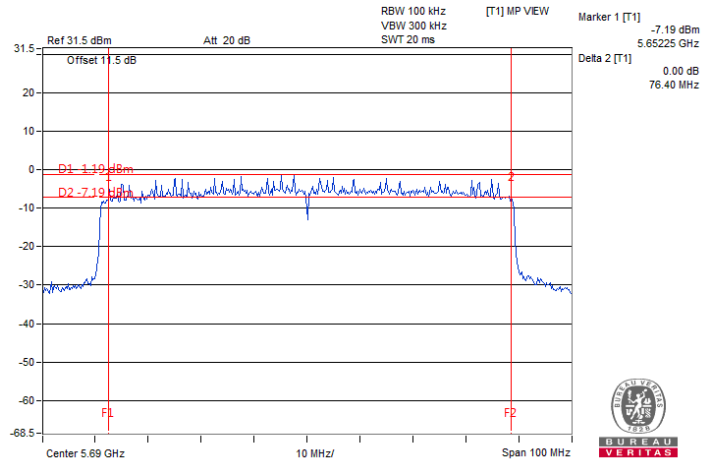
802.11a / Chain 1 : CH 144 (U-NII-3)



802.11ax (HE20) Full RU / Chain 1 : CH 144 (U-NII-3)



802.11ax (HE40) Full RU / Chain 1 : CH 142 (U-NII-3)



802.11ax (HE80) Full RU / Chain 1 : CH 138 (U-NII-3)

Notes:

1. For U-NII-3 straddle channel = Marker 1 + Delta 2 - 5725 MHz

7.5 Occupied Bandwidth

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 60% RH	Tested By:	Frank Liu / Jisyong Wang / Gary Lin

802.11a

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
36	5180	16.50	16.50
40	5200	16.44	16.44
48	5240	16.38	16.44
52	5260	16.44	16.44
60	5300	16.44	16.44
64	5320	16.44	16.44
100	5500	16.44	16.44
116	5580	16.44	16.44
140	5700	16.44	16.50
144 (U-NII-2C)	5720	13.28	13.34
144 (U-NII-3)	5720	3.22	3.22
149	5745	16.50	16.44
157	5785	16.44	16.44
165	5825	16.44	16.44

802.11ax (HE20) Full RU

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
36	5180	18.96	18.96
40	5200	18.96	18.96
48	5240	18.96	18.96
52	5260	18.96	18.96
60	5300	18.96	18.90
64	5320	18.96	18.96
100	5500	18.96	18.96
116	5580	18.96	18.96
140	5700	18.96	18.96
144 (U-NII-2C)	5720	14.48	14.48
144 (U-NII-3)	5720	4.48	4.48
149	5745	18.84	18.84
157	5785	18.84	18.84
165	5825	18.84	18.84

802.11ax (HE40) Full RU

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
38	5190	37.92	37.92
46	5230	37.92	37.92
54	5270	37.80	37.92
62	5310	37.92	38.04
102	5510	37.80	37.92
110	5550	37.92	37.92
134	5670	37.92	37.92
142 (U-NII-2C)	5710	34.08	33.96
142 (U-NII-3)	5710	3.96	3.96
151	5755	38.04	37.92
159	5795	37.92	37.80

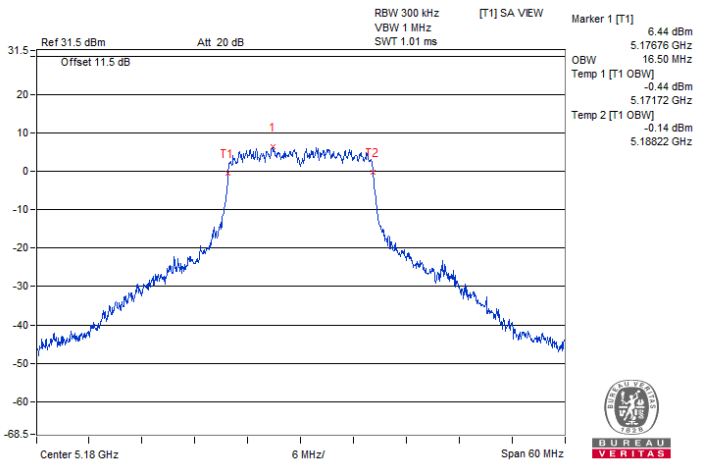
802.11ax (HE80) Full RU

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
42	5210	77.28	77.28
58	5290	77.28	77.28
106	5530	77.28	77.28
122	5610	77.28	77.28
138 (U-NII-2C)	5690	73.88	73.88
138 (U-NII-3)	5690	3.40	3.40
155	5775	77.28	77.28

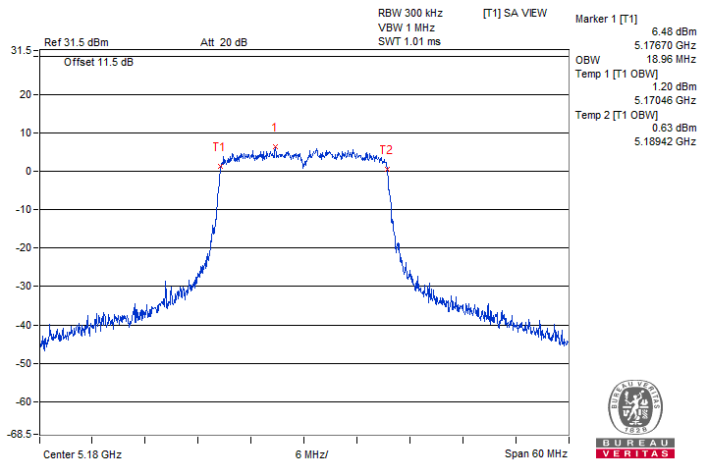
802.11ax (HE160) Full RU

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
50 (U-NII-1)	5250	78.24	78.24
50 (U-NII-2A)	5250	78.24	78.24
114	5570	156.48	156.48

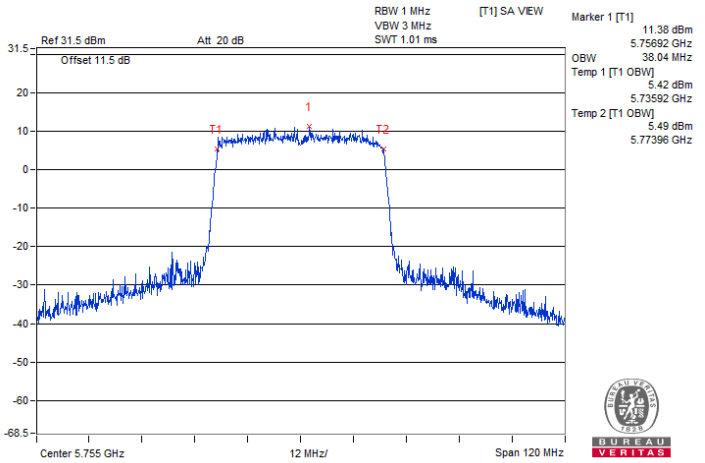
Spectrum Plot of Maximum Value



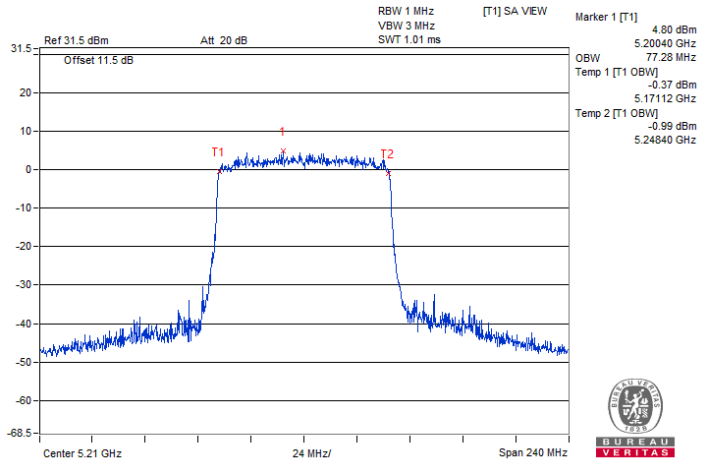
802.11a / Chain 0 : CH 36



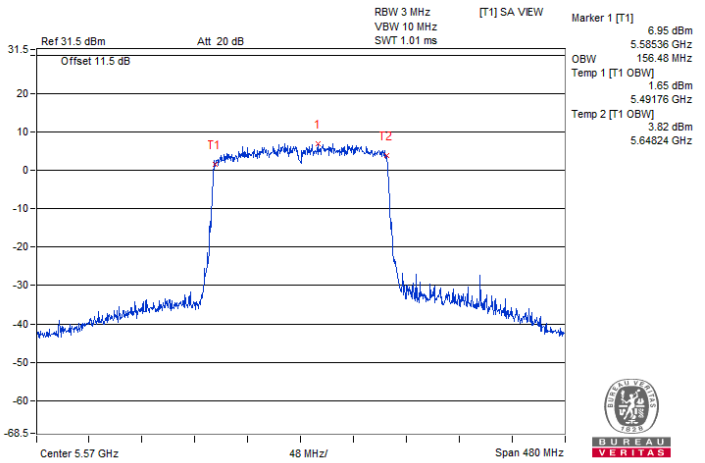
802.11ax (HE20) Full RU / Chain 0 : CH 36



802.11ax (HE40) Full RU / Chain 0 : CH 151



802.11ax (HE80) Full RU / Chain 0 : CH 42



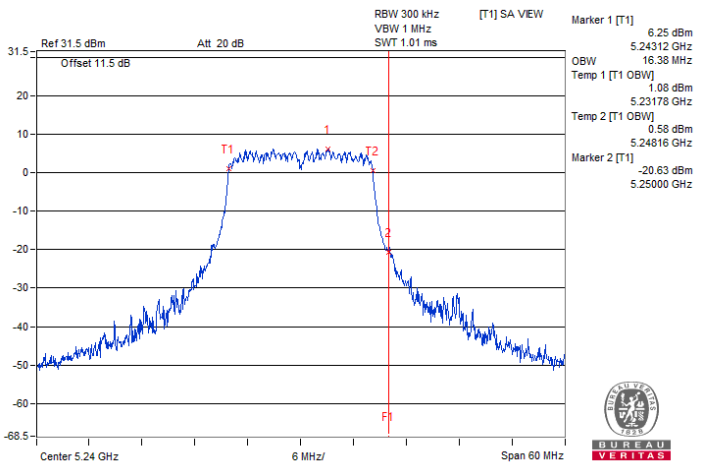
802.11ax (HE160) Full RU / Chain 0 : CH 114

Notes:

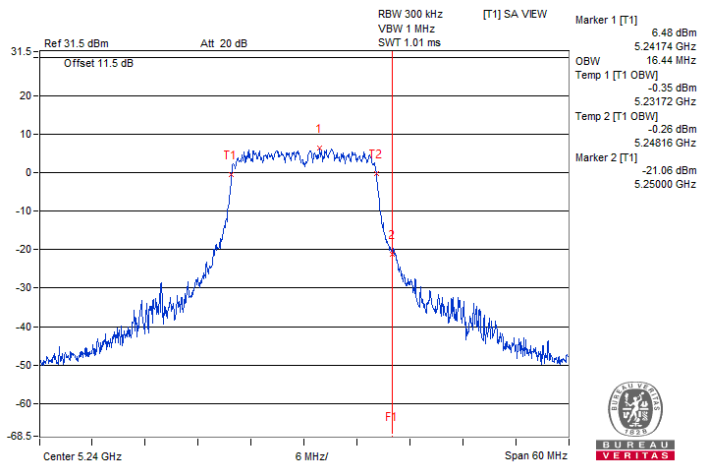
1. For U-NII-1 straddle channel = 5250 MHz – Temp 1
2. For U-NII-2A straddle channel = Temp 1 + Delta 2 - 5250 MHz

Spectrum Plot for nearby DFS band

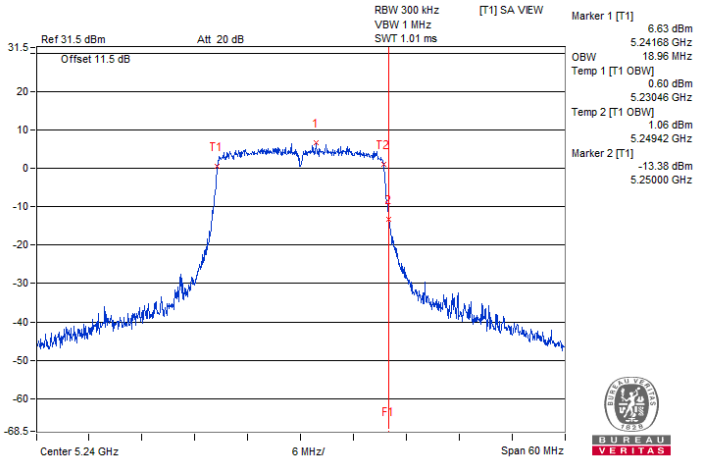
(DFS is required, if 99% OCP straddle into U-NII-2A)



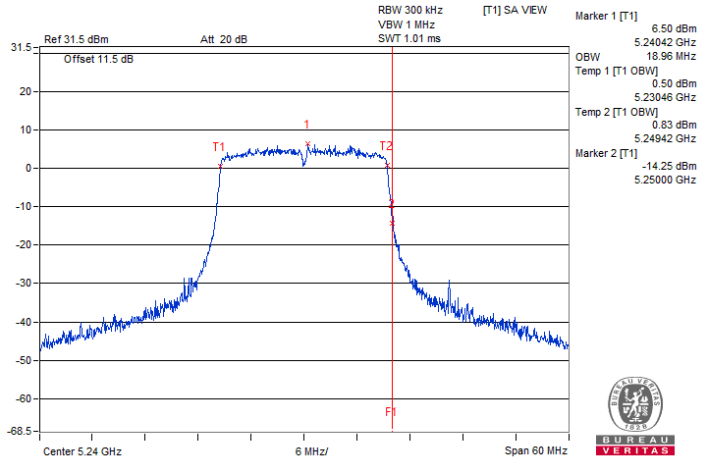
802.11a / Chain 0 : CH 48



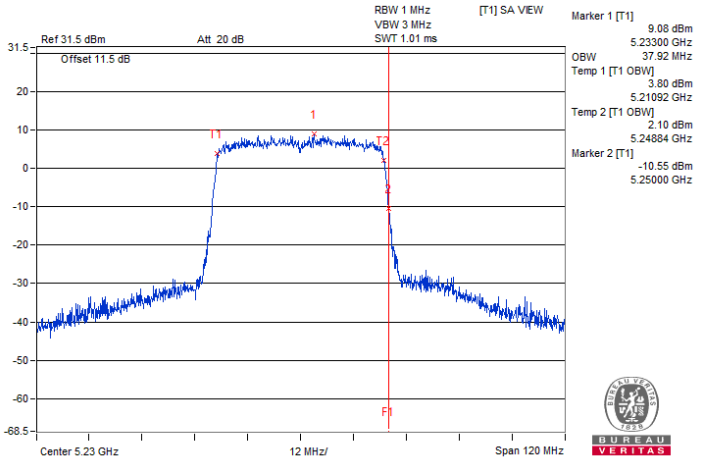
802.11a / Chain 1 : CH 48



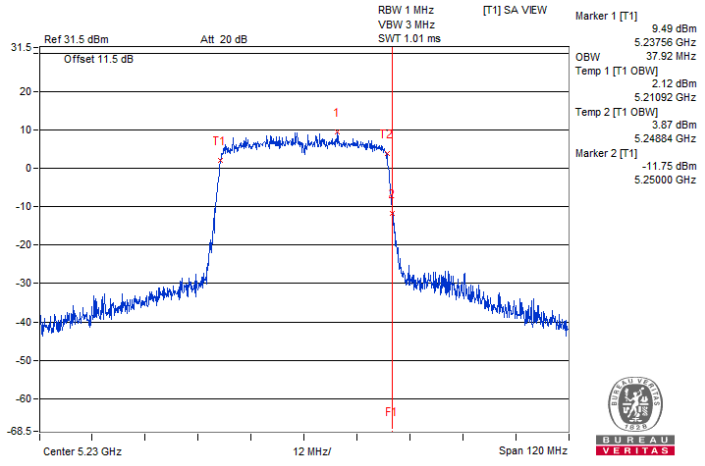
802.11ax (HE20) Full RU / Chain 0 : CH 48



802.11ax (HE20) Full RU / Chain 1 : CH 48



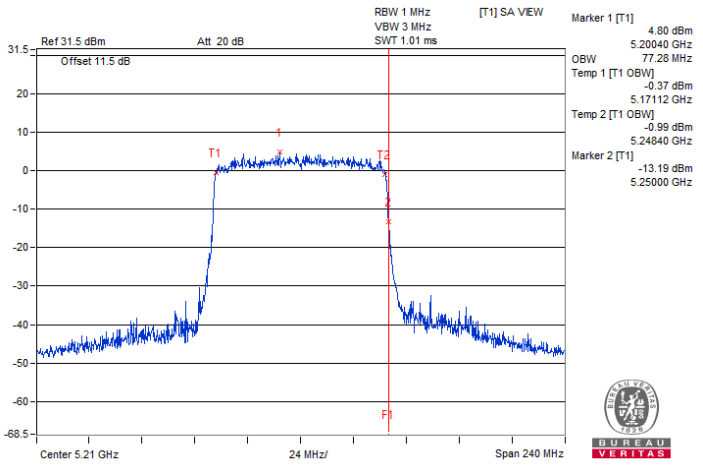
802.11ax (HE40) Full RU / Chain 0 : CH 46



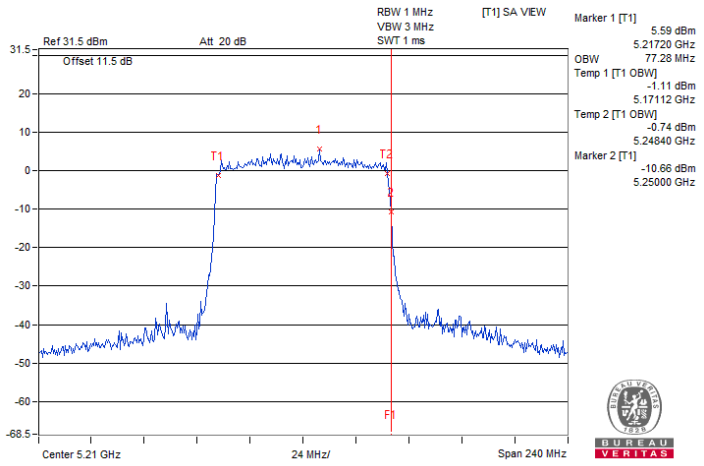
802.11ax (HE40) Full RU / Chain 1 : CH 46

Spectrum Plot for nearby DFS band

(DFS is required, if 99% OCP straddle into U-NII-2A)



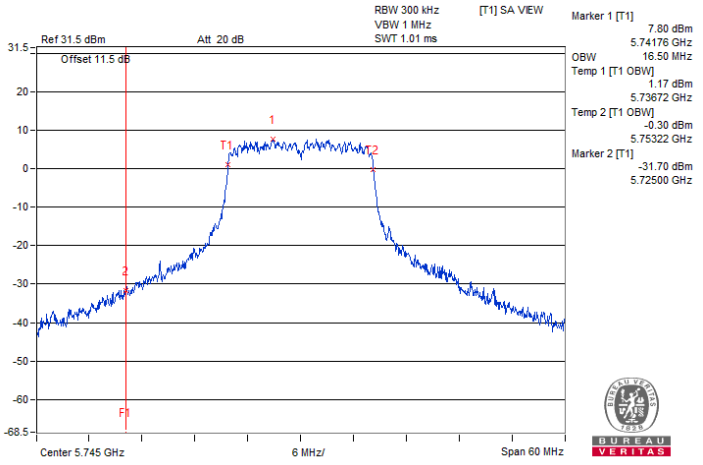
802.11ax (HE80) Full RU / Chain 0 : CH 42



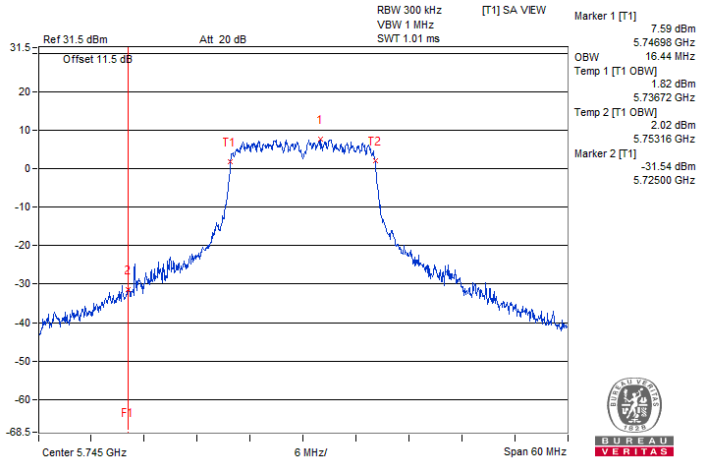
802.11ax (HE80) Full RU / Chain 1 : CH 42

Spectrum Plot for nearby DFS band

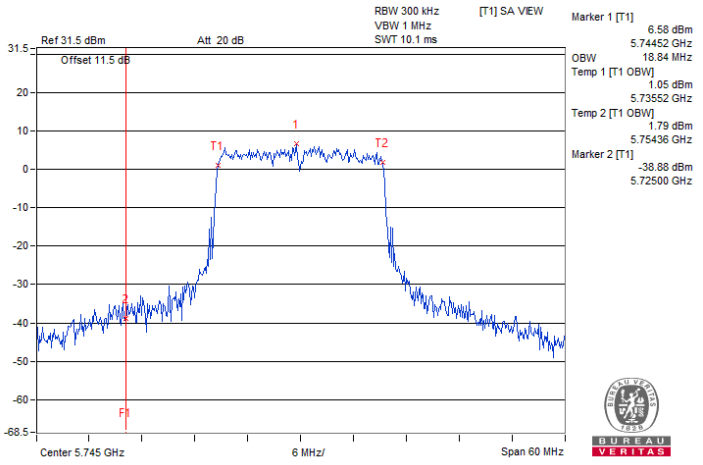
(DFS is required, if 99% OCP straddle into U-NII-2C)



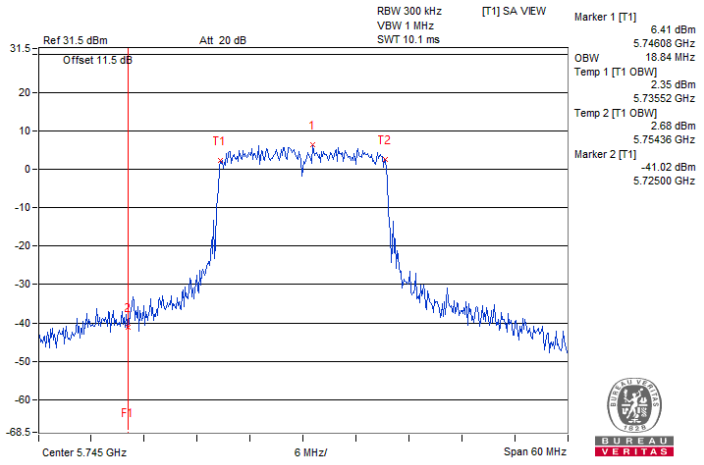
802.11a / Chain 0 : CH 149



802.11a / Chain 1 : CH 149



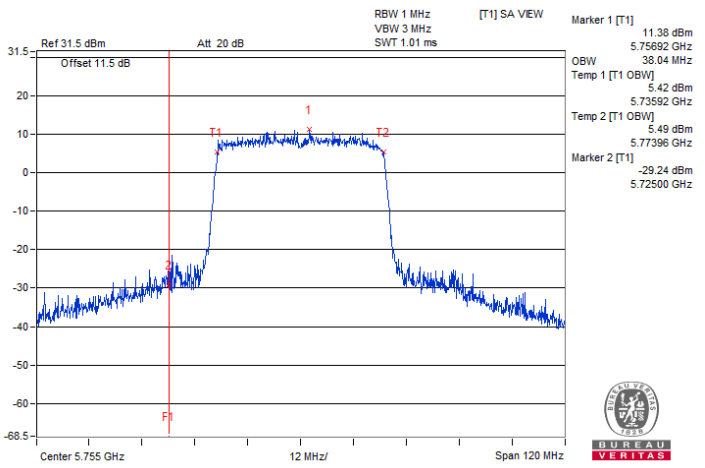
802.11ax (HE20) Full RU / Chain 0 : CH 149



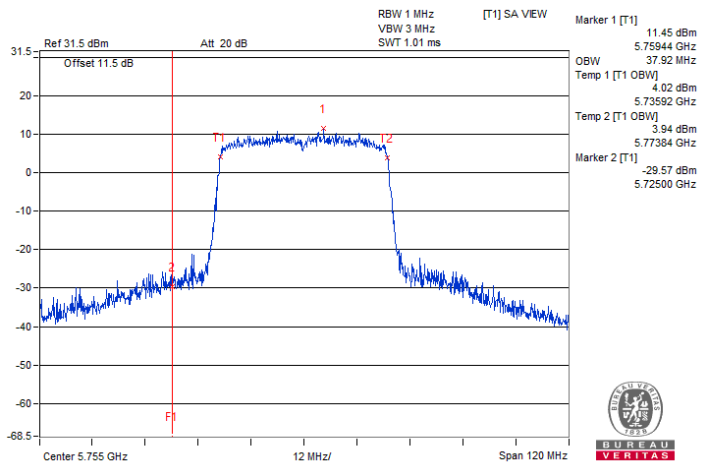
802.11ax (HE20) Full RU / Chain 1 : CH 149

Spectrum Plot for nearby DFS band

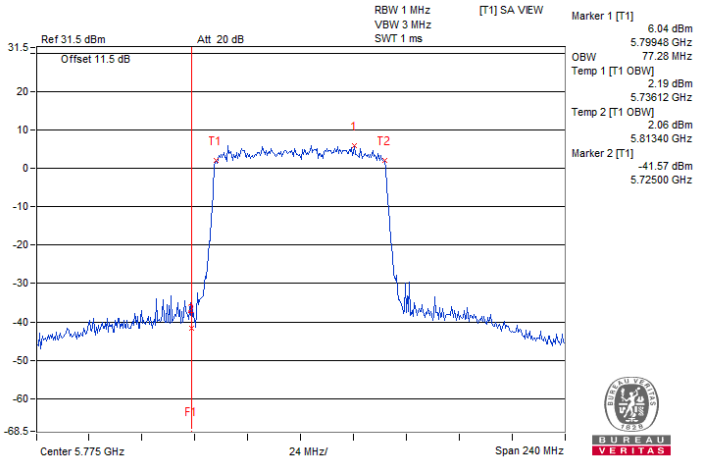
(DFS is required, if 99% OCP straddle into U-NII-2C)



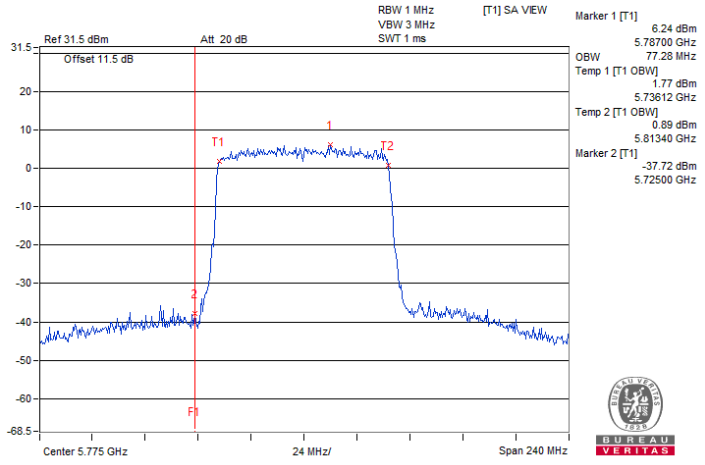
802.11ax (HE40) Full RU / Chain 0 : CH 151



802.11ax (HE40) Full RU / Chain 1 : CH 151



802.11ax (HE80) Full RU / Chain 0 : CH 155



802.11ax (HE80) Full RU / Chain 1 : CH 155

7.6 Frequency Stability

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 60% RH	Tested By:	Frank Liu / Jisyong Wang / Gary Lin

802.11a

Frequency Stability Versus Temperature									
Operating Frequency: 5180 MHz									
Temp. (℃)	Power Supply (Vdc)	0 Minute		2 Minutes		5 Minutes		10 Minutes	
		Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result
60	3.87	5179.9934	Pass	5179.9923	Pass	5179.9943	Pass	5179.9934	Pass
50	3.87	5179.9798	Pass	5179.9809	Pass	5179.9791	Pass	5179.9791	Pass
40	3.87	5179.9755	Pass	5179.9731	Pass	5179.9753	Pass	5179.9766	Pass
30	3.87	5179.9868	Pass	5179.9834	Pass	5179.9872	Pass	5179.9876	Pass
20	3.87	5179.9985	Pass	5179.9982	Pass	5179.9976	Pass	5179.9995	Pass
10	3.87	5179.9963	Pass	5179.9933	Pass	5179.9958	Pass	5179.9964	Pass
0	3.87	5180.0162	Pass	5180.0114	Pass	5180.0128	Pass	5180.015	Pass
-10	3.87	5180.0167	Pass	5180.0125	Pass	5180.012	Pass	5180.0149	Pass
-20	3.87	5180.0203	Pass	5180.0223	Pass	5180.0191	Pass	5180.0237	Pass

Frequency Stability Versus Voltage									
Operating Frequency: 5180 MHz									
Temp. (℃)	Power Supply (Vdc)	0 Minute		2 Minutes		5 Minutes		10 Minutes	
		Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result
20	4.4505	5180.0021	Pass	5180.003	Pass	5180.0031	Pass	5180.0029	Pass
	3.87	5179.9985	Pass	5179.9982	Pass	5179.9976	Pass	5179.9995	Pass
	3.2895	5179.999	Pass	5179.9983	Pass	5179.999	Pass	5180.002	Pass

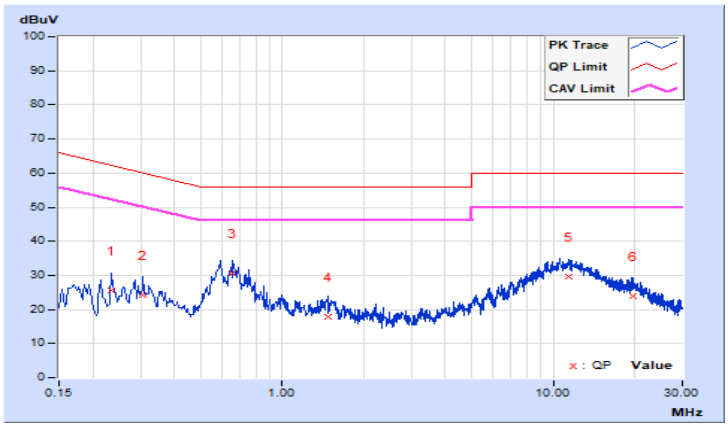
7.7 AC Power Conducted Emissions

RF Mode	802.11ax (HE20) Full RU	**Channel**	CH 40：5200 MHz
Frequency Range	150kHz ~ 30MHz	**Detector Function & Resolution Bandwidth**	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	21°C, 66.4% RH
Tested By	Thomas Cheng		

Phase Of Power : Line (L)										
No	**Frequency (MHz)**	**Correction Factor (dB)**	**Reading Value (dBuV)**		**Emission Level (dBuV)**		**Limit (dBuV)**		**Margin (dB)**	
			Q.P.	**AV.**	**Q.P.**	**AV.**	**Q.P.**	**AV.**	**Q.P.**	**AV.**
1	0.23400	9.67	16.01	9.10	25.68	18.77	62.31	52.31	-36.63	-33.54
2	0.30600	9.68	14.61	7.83	24.29	17.51	60.08	50.08	-35.79	-32.57
3	0.65800	9.70	21.10	15.09	30.80	24.79	56.00	46.00	-25.20	-21.21
4	1.47400	9.72	8.19	3.04	17.91	12.76	56.00	46.00	-38.09	-33.24
5	11.40600	9.84	19.76	12.85	29.60	22.69	60.00	50.00	-30.40	-27.31
6	19.66200	9.88	14.03	4.65	23.91	14.53	60.00	50.00	-36.09	-35.47

Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level – Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value

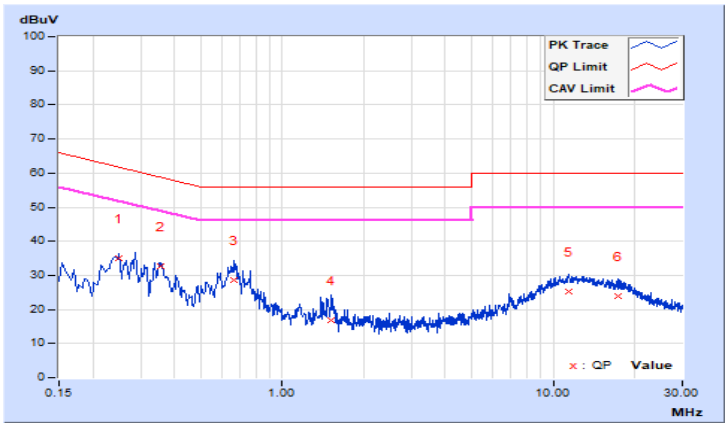


RF Mode	802.11ax (HE20) Full RU	Channel	CH 40：5200 MHz
Frequency Range	150kHz ~ 30MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	21°C, 66.4% RH
Tested By	Thomas Cheng		

Phase Of Power : Neutral (N)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	**0.25000**	**9.67**	**25.46**	**21.48**	**35.13**	**31.15**	**61.76**	**51.76**	**-26.63**	**-20.61**
2	0.35782	9.68	22.95	15.90	32.63	25.58	58.78	48.78	-26.15	-23.20
3	0.66200	9.70	18.90	13.78	28.60	23.48	56.00	46.00	-27.40	-22.52
4	1.51800	9.73	7.19	2.71	16.92	12.44	56.00	46.00	-39.08	-33.56
5	11.44200	9.84	15.55	10.38	25.39	20.22	60.00	50.00	-34.61	-29.78
6	17.27800	9.89	14.08	8.20	23.97	18.09	60.00	50.00	-36.03	-31.91

Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level – Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value



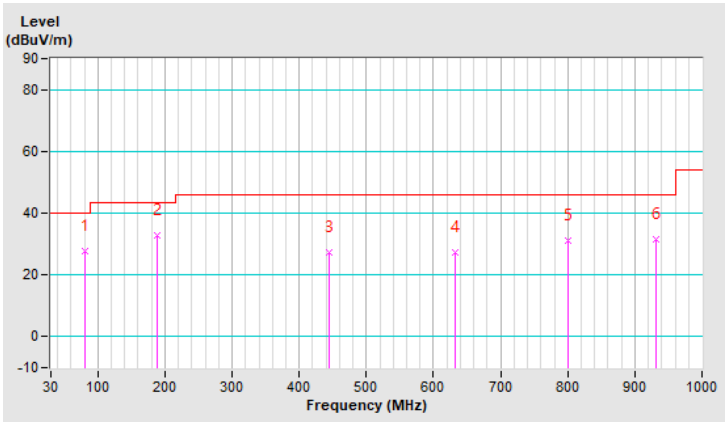
7.8 Unwanted Emissions below 1 GHz

RF Mode	802.11ax (HE20) Full RU	**Channel**	CH 40：5200 MHz
Frequency Range	9 kHz ~ 1 GHz	**Detector Function & Bandwidth**	(QP) RB = 120kHz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	80.44	27.7 QP	40.0	-12.3	1.00 H	277	46.0	-18.3
2	189.08	32.7 QP	43.5	-10.8	1.25 H	225	48.6	-15.9
3	445.16	27.3 QP	46.0	-18.7	1.50 H	244	36.2	-8.9
4	631.40	27.3 QP	46.0	-18.7	1.00 H	335	32.4	-5.1
5	801.15	31.2 QP	46.0	-14.8	1.50 H	231	33.7	-2.5
6	931.13	31.6 QP	46.0	-14.4	1.00 H	268	32.6	-1.0

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The emission levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

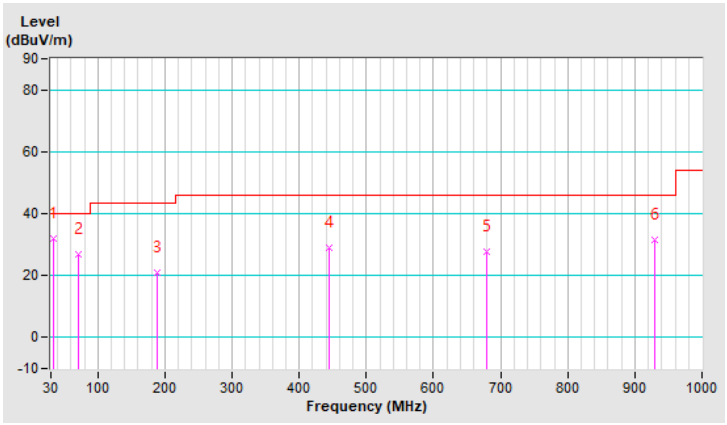


RF Mode	802.11ax (HE20) Full RU	Channel	CH 40：5200 MHz
Frequency Range	9 kHz ~ 1 GHz	Detector Function & Bandwidth	(QP) RB = 120kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	**33.88**	**31.8 QP**	**40.0**	**-8.2**	**1.25 V**	**226**	**46.0**	**-14.2**
2	71.71	27.0 QP	40.0	-13.0	1.00 V	47	43.1	-16.1
3	189.08	20.9 QP	43.5	-22.6	1.50 V	296	36.8	-15.9
4	445.16	28.9 QP	46.0	-17.1	1.00 V	20	37.8	-8.9
5	679.90	27.8 QP	46.0	-18.2	1.25 V	343	32.2	-4.4
6	929.19	31.4 QP	46.0	-14.6	1.50 V	180	32.4	-1.0

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The emission levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.



7.9 Unwanted Emissions above 1 GHz

RF Mode	802.11a	**Channel**	CH 36：5180 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	5150.00	57.3 PK	74.0	-16.7	1.12 H	138	54.4	2.9
2	5150.00	48.0 AV	54.0	-6.0	1.12 H	138	45.1	2.9
3	*5180.00	110.2 PK			1.12 H	138	69.7	40.5
4	*5180.00	103.2 AV			1.12 H	138	62.7	40.5
5	#10360.00	55.6 PK	68.2	-12.6	1.57 H	285	46.9	8.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	5150.00	56.7 PK	74.0	-17.3	1.18 V	106	53.8	2.9
2	5150.00	47.3 AV	54.0	-6.7	1.18 V	106	44.4	2.9
3	*5180.00	106.2 PK			1.18 V	106	65.7	40.5
4	*5180.00	98.9 AV			1.18 V	106	58.4	40.5
5	#10360.00	55.4 PK	68.2	-12.8	2.00 V	165	46.7	8.7

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11a	Channel	CH 40：5200 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5200.00	110.4 PK			1.00 H	138	70.0	40.4
2	*5200.00	103.6 AV			1.00 H	138	63.2	40.4
3	#10400.00	55.7 PK	68.2	-12.5	1.58 H	290	47.2	8.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5200.00	106.3 PK			1.19 V	109	65.9	40.4
2	*5200.00	99.7 AV			1.58 V	290	59.3	40.4
3	#10400.00	55.4 PK	68.2	-12.8	2.03 V	167	46.9	8.5

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11a	Channel	CH 48：5240 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	111.0 PK			1.02 H	137	70.7	40.3
2	*5240.00	103.8 AV			1.02 H	137	63.5	40.3
3	5350.00	56.8 PK	74.0	-17.2	1.02 H	137	54.1	2.7
4	5350.00	46.7 AV	54.0	-7.3	1.02 H	137	44.0	2.7
5	#10480.00	55.4 PK	68.2	-12.8	1.55 H	283	46.8	8.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	105.3 PK			1.17 V	108	65.0	40.3
2	*5240.00	98.6 AV			1.17 V	108	58.3	40.3
3	5350.00	56.6 PK	74.0	-17.4	1.17 V	108	53.9	2.7
4	5350.00	46.4 AV	54.0	-7.6	1.17 V	108	43.7	2.7
5	#10480.00	55.1 PK	68.2	-13.1	2.02 V	169	46.5	8.6

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11a	Channel	CH 52：5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	55.9 PK	74.0	-18.1	1.10 H	140	53.0	2.9
2	5150.00	46.9 AV	54.0	-7.1	1.10 H	140	44.0	2.9
3	*5260.00	110.9 PK			1.10 H	140	70.6	40.3
4	*5260.00	103.5 AV			1.10 H	140	63.2	40.3
5	#10520.00	55.5 PK	68.2	-12.7	1.57 H	285	46.9	8.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	56.2 PK	74.0	-17.8	1.08 V	113	53.3	2.9
2	5150.00	46.4 AV	54.0	-7.6	1.08 V	113	43.5	2.9
3	*5260.00	105.8 PK			1.08 V	113	65.5	40.3
4	*5260.00	98.6 AV			1.08 V	113	58.3	40.3
5	#10520.00	55.3 PK	68.2	-12.9	2.16 V	168	46.7	8.6

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11a	Channel	CH 60：5300 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	111.5 PK			1.00 H	140	71.3	40.2
2	*5300.00	104.2 AV			1.00 H	140	64.0	40.2
3	10600.00	56.2 PK	74.0	-17.8	1.59 H	291	46.9	9.3
4	10600.00	46.3 AV	54.0	-7.7	1.59 H	291	37.0	9.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	106.3 PK			1.11 V	106	66.1	40.2
2	*5300.00	99.4 AV			1.11 V	106	59.2	40.2
3	10600.00	55.9 PK	74.0	-18.1	2.13 V	178	46.6	9.3
4	10600.00	45.8 AV	54.0	-8.2	2.13 V	178	36.5	9.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.

RF Mode	802.11a	Channel	CH 64：5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	111.1 PK			1.06 H	140	70.8	40.3
2	*5320.00	104.3 AV			1.06 H	140	64.0	40.3
3	5350.00	57.7 PK	74.0	-16.3	1.06 H	140	55.0	2.7
4	5350.00	47.8 AV	54.0	-6.2	1.06 H	140	45.1	2.7
5	10640.00	56.4 PK	74.0	-17.6	1.51 H	291	47.2	9.2
6	10640.00	46.4 AV	54.0	-7.6	1.51 H	291	37.2	9.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	105.8 PK			1.04 V	102	65.5	40.3
2	*5320.00	98.8 AV			1.04 V	102	58.5	40.3
3	5350.00	57.1 PK	74.0	-16.9	1.04 V	102	54.4	2.7
4	5350.00	47.0 AV	54.0	-7.0	1.04 V	102	44.3	2.7
5	10640.00	55.8 PK	74.0	-18.2	2.01 V	166	46.6	9.2
6	10640.00	45.7 AV	54.0	-8.3	2.01 V	166	36.5	9.2

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.

RF Mode	802.11a	Channel	CH 100：5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	56.5 PK	74.0	-17.5	1.22 H	144	53.8	2.7
2	5460.00	46.9 AV	54.0	-7.1	1.22 H	144	44.2	2.7
3	#5470.00	58.0 PK	68.2	-10.2	1.22 H	144	55.2	2.8
4	*5500.00	110.4 PK			1.22 H	144	69.9	40.5
5	*5500.00	103.1 AV			1.22 H	144	62.6	40.5
6	11000.00	56.5 PK	74.0	-17.5	1.62 H	297	47.4	9.1
7	11000.00	46.9 AV	54.0	-7.1	1.62 H	297	37.8	9.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	56.3 PK	74.0	-17.7	1.00 V	110	53.6	2.7
2	5460.00	46.8 AV	54.0	-7.2	1.00 V	110	44.1	2.7
3	#5470.00	57.7 PK	68.2	-10.5	1.00 V	110	54.9	2.8
4	*5500.00	105.4 PK			1.00 V	110	64.9	40.5
5	*5500.00	98.1 AV			1.00 V	110	57.6	40.5
6	11000.00	55.7 PK	74.0	-18.3	2.12 V	174	46.6	9.1
7	11000.00	46.5 AV	54.0	-7.5	2.12 V	174	37.4	9.1

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11a	Channel	CH 116：5580 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5580.00	111.8 PK			1.27 H	151	70.7	41.1
2	*5580.00	104.2 AV			1.27 H	151	63.1	41.1
3	11160.00	56.7 PK	74.0	-17.3	1.63 H	291	47.4	9.3
4	11160.00	47.2 AV	54.0	-6.8	1.63 H	291	37.9	9.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5580.00	106.4 PK			1.02 V	118	65.3	41.1
2	*5580.00	99.1 AV			1.02 V	118	58.0	41.1
3	11160.00	55.9 PK	74.0	-18.1	2.13 V	164	46.6	9.3
4	11160.00	46.5 AV	54.0	-7.5	2.13 V	164	37.2	9.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.

RF Mode	802.11a	Channel	CH 140：5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	110.7 PK			1.03 H	146	68.9	41.8
2	*5700.00	103.4 AV			1.03 H	146	61.6	41.8
3	#5725.00	59.8 PK	68.2	-8.4	1.03 H	146	55.3	4.5
4	11140.00	56.5 PK	74.0	-17.5	1.57 H	284	47.2	9.3
5	11140.00	46.9 AV	54.0	-7.1	1.57 H	284	37.6	9.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	105.9 PK			1.03 V	109	64.1	41.8
2	*5700.00	98.5 AV			1.03 V	109	56.7	41.8
3	#5725.00	59.3 PK	68.2	-8.9	1.03 V	109	54.8	4.5
4	11140.00	55.8 PK	74.0	-18.2	2.17 V	176	46.5	9.3
5	11140.00	46.5 AV	54.0	-7.5	2.17 V	176	37.2	9.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11a	Channel	CH 144：5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	57.3 PK	68.2	-10.9	1.21 H	144	54.5	2.8
2	*5720.00	111.1 PK			1.21 H	144	69.2	41.9
3	*5720.00	103.6 AV			1.21 H	144	61.7	41.9
4	#5850.00	59.9 PK	68.2	-8.3	1.21 H	144	55.3	4.6
5	11440.00	57.6 PK	74.0	-16.4	1.59 H	303	47.4	10.2
6	11440.00	48.3 AV	54.0	-5.7	1.59 H	303	38.1	10.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	57.1 PK	68.2	-11.1	1.07 V	112	54.3	2.8
2	*5720.00	106.1 PK			1.07 V	112	64.2	41.9
3	*5720.00	98.8 AV			1.07 V	112	56.9	41.9
4	#5850.00	59.5 PK	68.2	-8.7	1.07 V	112	54.9	4.6
5	11440.00	57.0 PK	74.0	-17.0	2.07 V	168	46.8	10.2
6	11440.00	47.6 AV	54.0	-6.4	2.07 V	168	37.4	10.2

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11a	Channel	CH 149：5745 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5634.40	59.8 PK	68.2	-8.4	1.08 H	141	55.8	4.0
2	*5745.00	111.6 PK			1.08 H	141	69.5	42.1
3	*5745.00	103.9 AV			1.08 H	141	61.8	42.1
4	#5939.20	59.7 PK	68.2	-8.5	1.08 H	141	55.3	4.4
5	11490.00	57.2 PK	74.0	-16.8	1.57 H	288	47.0	10.2
6	11490.00	47.6 AV	54.0	-6.4	1.57 H	288	37.4	10.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5606.80	59.6 PK	68.2	-8.6	1.00 V	112	55.8	3.8
2	*5745.00	103.9 PK			1.00 V	112	61.8	42.1
3	*5745.00	95.9 AV			1.00 V	112	53.8	42.1
4	#5964.00	59.5 PK	68.2	-8.7	1.00 V	112	55.0	4.5
5	11490.00	56.9 PK	74.0	-17.1	2.17 V	162	46.7	10.2
6	11490.00	46.7 AV	54.0	-7.3	2.17 V	162	36.5	10.2

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.

RF Mode	802.11a	Channel	CH 157：5785 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5642.00	59.3 PK	68.2	-8.9	1.09 H	143	55.3	4.0
2	*5785.00	110.1 PK			1.09 H	143	68.1	42.0
3	*5785.00	102.9 AV			1.09 H	143	60.9	42.0
4	#5992.00	59.5 PK	68.2	-8.7	1.09 H	143	55.0	4.5
5	11570.00	57.2 PK	74.0	-16.8	1.58 H	290	47.2	10.0
6	11570.00	47.3 AV	54.0	-6.7	1.58 H	290	37.3	10.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5648.00	58.3 PK	68.2	-9.9	1.01 V	102	54.3	4.0
2	*5785.00	103.8 PK			1.01 V	102	61.8	42.0
3	*5785.00	95.9 AV			1.01 V	102	53.9	42.0
4	#5988.00	58.7 PK	68.2	-9.5	1.01 V	102	54.2	4.5
5	11570.00	56.3 PK	74.0	-17.7	2.06 V	172	46.3	10.0
6	11570.00	46.6 AV	54.0	-7.4	2.06 V	172	36.6	10.0

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11a	Channel	CH 165：5825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5635.60	59.4 PK	68.2	-8.8	1.11 H	137	55.4	4.0
2	*5825.00	109.9 PK			1.11 H	137	67.8	42.1
3	*5825.00	102.6 AV			1.11 H	137	60.5	42.1
4	#5982.40	59.8 PK	68.2	-8.4	1.11 H	137	55.3	4.5
5	11650.00	56.9 PK	74.0	-17.1	1.62 H	293	46.9	10.0
6	11650.00	46.9 AV	54.0	-7.1	1.62 H	293	36.9	10.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5627.20	58.4 PK	68.2	-9.8	1.03 V	112	54.5	3.9
2	*5825.00	103.4 PK			1.03 V	112	61.3	42.1
3	*5825.00	96.3 AV			1.03 V	112	54.2	42.1
4	#5966.00	59.8 PK	68.2	-8.4	1.03 V	112	55.3	4.5
5	11650.00	56.7 PK	74.0	-17.3	2.00 V	165	46.7	10.0
6	11650.00	46.4 AV	54.0	-7.6	2.00 V	165	36.4	10.0

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	20 MHz Preamble 802.11ax (RU26)	Channel	CH 36：5180 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	58.7 PK	74.0	-15.3	2.49 H	122	55.4	3.3
2	5150.00	45.8 AV	54.0	-8.2	2.49 H	122	42.5	3.3
3	*5180.00	121.5 PK			2.49 H	122	80.6	40.9
4	*5180.00	110.3 AV			2.49 H	122	69.4	40.9
5	#10360.00	57.0 PK	68.2	-11.2	1.88 H	262	48.5	8.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	58.6 PK	74.0	-15.4	1.10 V	93	55.3	3.3
2	5150.00	45.7 AV	54.0	-8.3	1.10 V	93	42.4	3.3
3	*5180.00	118.8 PK			1.10 V	93	77.9	40.9
4	*5180.00	107.7 AV			1.10 V	93	66.8	40.9
5	#10360.00	56.5 PK	68.2	-11.7	2.22 V	187	48.0	8.5

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	20 MHz Preamble 802.11ax (RU26)	Channel	CH 48：5240 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	124.1 PK			1.00 H	137	83.3	40.8
2	*5240.00	113.1 AV			1.00 H	137	72.3	40.8
3	5350.00	58.4 PK	74.0	-15.6	1.00 H	137	55.4	3.0
4	5350.00	45.5 AV	54.0	-8.5	1.00 H	137	42.5	3.0
5	#10480.00	56.9 PK	68.2	-11.3	1.93 H	256	48.6	8.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	121.9 PK			1.26 V	89	81.1	40.8
2	*5240.00	111.0 AV			1.26 V	89	70.2	40.8
3	5350.00	57.9 PK	74.0	-16.1	1.26 V	89	54.9	3.0
4	5350.00	45.1 AV	54.0	-8.9	1.26 V	89	42.1	3.0
5	#10480.00	56.3 PK	68.2	-11.9	2.33 V	191	48.0	8.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	20 MHz Preamble 802.11ax (RU26)	Channel	CH 52：5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	58.7 PK	74.0	-15.3	1.04 H	136	55.4	3.3
2	5150.00	45.7 AV	54.0	-8.3	1.04 H	136	42.4	3.3
3	*5260.00	123.3 PK			1.04 H	136	82.6	40.7
4	*5260.00	112.1 AV			1.04 H	136	71.4	40.7
5	#10520.00	56.9 PK	68.2	-11.3	1.92 H	274	48.6	8.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	58.0 PK	74.0	-16.0	1.23 V	87	54.7	3.3
2	5150.00	45.3 AV	54.0	-8.7	1.23 V	87	42.0	3.3
3	*5260.00	120.2 PK			1.23 V	87	79.5	40.7
4	*5260.00	109.1 AV			1.23 V	87	68.4	40.7
5	#10520.00	56.3 PK	68.2	-11.9	2.36 V	201	48.0	8.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	20 MHz Preamble 802.11ax (RU26)	Channel	CH 64：5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	123.3 PK			1.00 H	144	82.5	40.8
2	*5320.00	112.8 AV			1.00 H	144	72.0	40.8
3	5350.00	63.2 PK	74.0	-10.8	1.00 H	144	60.2	3.0
4	5350.00	45.8 AV	54.0	-8.2	1.00 H	144	42.8	3.0
5	10640.00	57.2 PK	74.0	-16.8	1.79 H	249	48.4	8.8
6	10640.00	43.3 AV	54.0	-10.7	1.79 H	249	34.5	8.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	120.3 PK			1.22 V	97	79.5	40.8
2	*5320.00	109.8 AV			1.22 V	97	69.0	40.8
3	5350.00	62.9 PK	74.0	-11.1	1.22 V	97	59.9	3.0
4	5350.00	45.1 AV	54.0	-8.9	1.22 V	97	42.1	3.0
5	10640.00	57.1 PK	74.0	-16.9	2.33 V	287	48.3	8.8
6	10640.00	42.9 AV	54.0	-11.1	2.33 V	287	34.1	8.8

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.

RF Mode	20 MHz Preamble 802.11ax (RU26)	Channel	CH 100：5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	59.3 PK	74.0	-14.7	2.13 H	142	56.2	3.1
2	5460.00	46.1 AV	54.0	-7.9	2.13 H	142	43.0	3.1
3	#5470.00	60.1 PK	68.2	-8.1	2.13 H	142	56.9	3.2
4	*5500.00	121.8 PK			2.13 H	142	80.8	41.0
5	*5500.00	111.1 AV			2.13 H	142	70.1	41.0
6	11000.00	57.6 PK	74.0	-16.4	1.86 H	271	48.5	9.1
7	11000.00	43.7 AV	54.0	-10.3	1.86 H	271	34.6	9.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	58.5 PK	74.0	-15.5	1.09 V	100	55.4	3.1
2	5460.00	45.6 AV	54.0	-8.4	1.09 V	100	42.5	3.1
3	#5470.00	59.5 PK	68.2	-8.7	1.09 V	100	56.3	3.2
4	*5500.00	119.3 PK			1.09 V	100	78.3	41.0
5	*5500.00	108.3 AV			1.09 V	100	67.3	41.0
6	11000.00	57.1 PK	74.0	-16.9	2.31 V	188	48.0	9.1
7	11000.00	43.3 AV	54.0	-10.7	2.31 V	188	34.2	9.1

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	20 MHz Preamble 802.11ax (RU26)	Channel	CH 140：5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	123.0 PK			1.04 H	144	80.9	42.1
2	*5700.00	110.3 AV			1.04 H	144	68.2	42.1
3	#5725.00	64.4 PK	68.2	-3.8	1.04 H	144	59.6	4.8
4	11400.00	58.2 PK	74.0	-15.8	1.93 H	257	48.5	9.7
5	11400.00	44.2 AV	54.0	-9.8	1.93 H	257	34.5	9.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	119.7 PK			1.18 V	87	77.6	42.1
2	*5700.00	107.9 AV			1.18 V	87	65.8	42.1
3	#5725.00	62.2 PK	68.2	-6.0	1.18 V	87	57.4	4.8
4	11400.00	57.9 PK	74.0	-16.1	2.33 V	190	48.2	9.7
5	11400.00	44.0 AV	54.0	-10.0	2.33 V	190	34.3	9.7

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	20 MHz Preamble 802.11ax (RU26)	Channel	CH 144：5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	58.4 PK	68.2	-9.8	1.02 H	146	55.2	3.2
2	*5720.00	121.6 PK			1.02 H	146	79.4	42.2
3	*5720.00	109.8 AV			1.02 H	146	67.6	42.2
4	#5850.00	60.7 PK	68.2	-7.5	1.02 H	146	55.6	5.1
5	11440.00	58.3 PK	74.0	-15.7	1.91 H	259	48.7	9.6
6	11440.00	44.3 AV	54.0	-9.7	1.91 H	259	34.7	9.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	58.2 PK	68.2	-10.0	1.14 V	93	55.0	3.2
2	*5720.00	118.7 PK			1.14 V	93	76.5	42.2
3	*5720.00	106.9 AV			1.14 V	93	64.7	42.2
4	#5850.00	61.4 PK	68.2	-6.8	1.14 V	93	56.3	5.1
5	11440.00	58.0 PK	74.0	-16.0	2.32 V	195	48.4	9.6
6	11440.00	44.1 AV	54.0	-9.9	2.32 V	195	34.5	9.6

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	20 MHz Preamble 802.11ax (RU26)	Channel	CH 149：5745 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5648.40	58.6 PK	68.2	-9.6	2.44 H	137	54.3	4.3
2	*5745.00	121.1 PK			2.44 H	137	78.7	42.4
3	*5745.00	108.8 AV			2.44 H	137	66.4	42.4
4	#5963.60	59.1 PK	68.2	-9.1	2.44 H	137	54.2	4.9
5	11490.00	58.1 PK	74.0	-15.9	1.88 H	260	48.5	9.6
6	11490.00	44.4 AV	54.0	-9.6	1.88 H	260	34.8	9.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5636.80	58.5 PK	68.2	-9.7	1.20 V	90	54.2	4.3
2	*5745.00	118.5 PK			1.20 V	90	76.1	42.4
3	*5745.00	106.0 AV			1.20 V	90	63.6	42.4
4	#5938.00	58.3 PK	68.2	-9.9	1.20 V	90	53.4	4.9
5	11490.00	57.9 PK	74.0	-16.1	2.25 V	186	48.3	9.6
6	11490.00	44.1 AV	54.0	-9.9	2.25 V	186	34.5	9.6

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.

RF Mode	20 MHz Preamble 802.11ax (RU26)	Channel	CH 165：5825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5628.00	65.7 PK	68.2	-2.5	1.08 H	147	61.5	4.2
2	*5825.00	122.3 PK			1.08 H	147	79.7	42.6
3	*5825.00	110.4 AV			1.08 H	147	67.8	42.6
4	**#5933.60**	**68.0 PK**	**68.2**	**-0.2**	**1.08 H**	**147**	**63.0**	**5.0**
5	11650.00	58.2 PK	74.0	-15.8	1.87 H	257	48.8	9.4
6	11650.00	44.1 AV	54.0	-9.9	1.87 H	257	34.7	9.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5648.40	62.4 PK	68.2	-5.8	1.18 V	97	58.1	4.3
2	*5825.00	119.6 PK			1.18 V	97	77.0	42.6
3	*5825.00	107.8 AV			1.18 V	97	65.2	42.6
4	#5925.00	67.3 PK	68.2	-0.9	1.18 V	97	62.3	5.0
5	11650.00	58.0 PK	74.0	-16.0	2.16 V	185	48.6	9.4
6	11650.00	43.9 AV	54.0	-10.1	2.16 V	185	34.5	9.4

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	20 MHz Preamble 802.11ax (RU52)	Channel	CH 36：5180 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	63.1 PK	74.0	-10.9	2.48 H	121	59.8	3.3
2	5150.00	46.3 AV	54.0	-7.7	2.48 H	121	43.0	3.3
3	*5180.00	120.1 PK			2.48 H	121	79.2	40.9
4	*5180.00	108.7 AV			2.48 H	121	67.8	40.9
5	#10360.00	56.7 PK	68.2	-11.5	1.87 H	260	48.2	8.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	60.1 PK	74.0	-13.9	1.15 V	95	56.8	3.3
2	5150.00	46.0 AV	54.0	-8.0	1.15 V	95	42.7	3.3
3	*5180.00	117.0 PK			1.15 V	95	76.1	40.9
4	*5180.00	105.8 AV			1.15 V	95	64.9	40.9
5	#10360.00	56.5 PK	68.2	-11.7	2.19 V	188	48.0	8.5

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	20 MHz Preamble 802.11ax (RU52)	Channel	CH 48：5240 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	123.9 PK			1.00 H	134	83.1	40.8
2	*5240.00	112.1 AV			1.00 H	134	71.3	40.8
3	5350.00	58.6 PK	74.0	-15.4	1.00 H	134	55.6	3.0
4	5350.00	45.6 AV	54.0	-8.4	1.00 H	134	42.6	3.0
5	#10480.00	56.7 PK	68.2	-11.5	1.88 H	257	48.4	8.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	121.4 PK			1.25 V	98	80.6	40.8
2	*5240.00	109.8 AV			1.25 V	98	69.0	40.8
3	5350.00	58.1 PK	74.0	-15.9	1.25 V	98	55.1	3.0
4	5350.00	45.2 AV	54.0	-8.8	1.25 V	98	42.2	3.0
5	#10480.00	56.2 PK	68.2	-12.0	2.36 V	196	47.9	8.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	20 MHz Preamble 802.11ax (RU52)	Channel	CH 52：5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	58.9 PK	74.0	-15.1	1.00 H	138	55.6	3.3
2	5150.00	46.3 AV	54.0	-7.7	1.00 H	138	43.0	3.3
3	*5260.00	122.4 PK			1.00 H	138	81.7	40.7
4	*5260.00	111.3 AV			1.00 H	138	70.6	40.7
5	#10520.00	57.0 PK	68.2	-11.2	1.93 H	277	48.7	8.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	58.4 PK	74.0	-15.6	1.27 V	82	55.1	3.3
2	5150.00	45.9 AV	54.0	-8.1	1.27 V	82	42.6	3.3
3	*5260.00	120.0 PK			1.27 V	82	79.3	40.7
4	*5260.00	108.5 AV			1.27 V	82	67.8	40.7
5	#10520.00	56.6 PK	68.2	-11.6	2.31 V	189	48.3	8.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	20 MHz Preamble 802.11ax (RU52)	Channel	CH 64：5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	123.0 PK			1.03 H	139	82.2	40.8
2	*5320.00	112.0 AV			1.03 H	139	71.2	40.8
3	5350.00	66.9 PK	74.0	-7.1	1.03 H	139	63.9	3.0
4	5350.00	46.6 AV	54.0	-7.4	1.03 H	139	43.6	3.0
5	10640.00	57.4 PK	74.0	-16.6	1.91 H	250	48.6	8.8
6	10640.00	43.4 AV	54.0	-10.6	1.91 H	250	34.6	8.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	120.1 PK			1.32 V	91	79.3	40.8
2	*5320.00	109.7 AV			1.32 V	91	68.9	40.8
3	5350.00	63.6 PK	74.0	-10.4	1.32 V	91	60.6	3.0
4	5350.00	46.0 AV	54.0	-8.0	1.32 V	91	43.0	3.0
5	10640.00	57.0 PK	74.0	-17.0	2.36 V	199	48.2	8.8
6	10640.00	42.8 AV	54.0	-11.2	2.36 V	199	34.0	8.8

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.

RF Mode	20 MHz Preamble 802.11ax (RU52)	Channel	CH 100：5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	58.9 PK	74.0	-15.1	2.11 H	134	55.8	3.1
2	5460.00	46.1 AV	54.0	-7.9	2.11 H	134	43.0	3.1
3	#5470.00	62.9 PK	68.2	-5.3	2.11 H	134	59.7	3.2
4	*5500.00	121.0 PK			2.11 H	134	80.0	41.0
5	*5500.00	109.9 AV			2.11 H	134	68.9	41.0
6	11000.00	57.6 PK	74.0	-16.4	1.87 H	266	48.5	9.1
7	11000.00	43.7 AV	54.0	-10.3	1.87 H	266	34.6	9.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	58.6 PK	74.0	-15.4	1.26 V	91	55.5	3.1
2	5460.00	45.5 AV	54.0	-8.5	1.26 V	91	42.4	3.1
3	#5470.00	60.0 PK	68.2	-8.2	1.26 V	91	56.8	3.2
4	*5500.00	117.6 PK			1.26 V	91	76.6	41.0
5	*5500.00	105.7 AV			1.26 V	91	64.7	41.0
6	11000.00	57.0 PK	74.0	-17.0	2.23 V	183	47.9	9.1
7	11000.00	43.4 AV	54.0	-10.6	2.23 V	183	34.3	9.1

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	20 MHz Preamble 802.11ax (RU52)	Channel	CH 140：5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	121.0 PK			1.05 H	144	78.9	42.1
2	*5700.00	109.3 AV			1.05 H	144	67.2	42.1
3	#5725.00	67.2 PK	68.2	-1.0	1.05 H	144	62.4	4.8
4	11400.00	58.4 PK	74.0	-15.6	1.90 H	262	48.7	9.7
5	11400.00	44.3 AV	54.0	-9.7	1.90 H	262	34.6	9.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	118.0 PK			1.18 V	94	75.9	42.1
2	*5700.00	106.4 AV			1.18 V	94	64.3	42.1
3	#5725.00	65.5 PK	68.2	-2.7	1.18 V	94	60.7	4.8
4	11400.00	58.1 PK	74.0	-15.9	2.20 V	187	48.4	9.7
5	11400.00	44.1 AV	54.0	-9.9	2.20 V	187	34.4	9.7

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	20 MHz Preamble 802.11ax (RU52)	Channel	CH 144：5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	58.3 PK	68.2	-9.9	1.02 H	144	55.1	3.2
2	*5720.00	120.5 PK			1.02 H	144	78.3	42.2
3	*5720.00	108.8 AV			1.02 H	144	66.6	42.2
4	#5850.00	60.3 PK	68.2	-7.9	1.02 H	144	55.2	5.1
5	11440.00	58.2 PK	74.0	-15.8	1.90 H	262	48.6	9.6
6	11440.00	44.2 AV	54.0	-9.8	1.90 H	262	34.6	9.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	58.2 PK	68.2	-10.0	1.19 V	97	55.0	3.2
2	*5720.00	118.3 PK			1.19 V	97	76.1	42.2
3	*5720.00	106.4 AV			1.19 V	97	64.2	42.2
4	#5850.00	60.1 PK	68.2	-8.1	1.19 V	97	55.0	5.1
5	11440.00	58.1 PK	74.0	-15.9	2.30 V	190	48.5	9.6
6	11440.00	43.9 AV	54.0	-10.1	2.30 V	190	34.3	9.6

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	20 MHz Preamble 802.11ax (RU52)	Channel	CH 149：5745 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5630.00	58.9 PK	68.2	-9.3	2.06 H	37	54.7	4.2
2	*5745.00	117.2 PK			2.03 H	137	74.8	42.4
3	*5745.00	105.7 AV			2.03 H	137	63.3	42.4
4	#5976.00	59.1 PK	68.2	-9.1	2.06 H	37	54.3	4.8
5	11490.00	58.0 PK	74.0	-16.0	1.90 H	258	48.4	9.6
6	11490.00	44.3 AV	54.0	-9.7	1.90 H	258	34.7	9.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5640.00	58.6 PK	68.2	-9.6	1.18 V	95	54.3	4.3
2	*5745.00	114.3 PK			1.18 V	95	71.9	42.4
3	*5745.00	103.1 AV			1.18 V	95	60.7	42.4
4	#5943.20	58.8 PK	68.2	-9.4	1.18 V	95	53.9	4.9
5	11490.00	57.8 PK	74.0	-16.2	2.30 V	192	48.2	9.6
6	11490.00	44.1 AV	54.0	-9.9	2.30 V	192	34.5	9.6

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.

RF Mode	20 MHz Preamble 802.11ax (RU52)	Channel	CH 165：5825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5619.20	65.9 PK	68.2	-2.3	1.04 H	147	61.7	4.2
2	*5825.00	119.1 PK			1.04 H	147	76.5	42.6
3	*5825.00	106.9 AV			1.04 H	147	64.3	42.6
4	#5927.20	67.9 PK	68.2	-0.3	1.04 H	147	62.9	5.0
5	11650.00	58.1 PK	74.0	-15.9	1.91 H	260	48.7	9.4
6	11650.00	43.9 AV	54.0	-10.1	1.91 H	260	34.5	9.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5628.80	61.2 PK	68.2	-7.0	1.22 V	95	57.0	4.2
2	*5825.00	116.0 PK			1.22 V	95	73.4	42.6
3	*5825.00	104.0 AV			1.22 V	95	61.4	42.6
4	#5932.00	65.4 PK	68.2	-2.8	1.22 V	95	60.4	5.0
5	11650.00	57.9 PK	74.0	-16.1	2.25 V	190	48.5	9.4
6	11650.00	43.7 AV	54.0	-10.3	2.25 V	190	34.3	9.4

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	20 MHz Preamble 802.11ax (RU106)	Channel	CH 36：5180 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	66.7 PK	74.0	-7.3	1.18 H	129	63.4	3.3
2	5150.00	46.3 AV	54.0	-7.7	1.18 H	129	43.0	3.3
3	*5180.00	119.0 PK			1.18 H	129	78.1	40.9
4	*5180.00	107.4 AV			1.18 H	129	66.5	40.9
5	#10360.00	56.4 PK	68.2	-11.8	1.87 H	253	47.9	8.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	63.5 PK	74.0	-10.5	1.11 V	97	60.2	3.3
2	5150.00	46.3 AV	54.0	-7.7	1.11 V	97	43.0	3.3
3	*5180.00	116.5 PK			1.11 V	97	75.6	40.9
4	*5180.00	104.7 AV			1.11 V	97	63.8	40.9
5	#10360.00	56.3 PK	68.2	-11.9	2.15 V	179	47.8	8.5

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	20 MHz Preamble 802.11ax (RU106)	Channel	CH 48：5240 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	121.1 PK			1.00 H	134	80.3	40.8
2	*5240.00	109.3 AV			1.00 H	134	68.5	40.8
3	5350.00	58.5 PK	74.0	-15.5	1.00 H	134	55.5	3.0
4	5350.00	45.6 AV	54.0	-8.4	1.00 H	134	42.6	3.0
5	#10480.00	56.5 PK	68.2	-11.7	1.90 H	256	48.2	8.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	118.2 PK			1.37 V	96	77.4	40.8
2	*5240.00	106.6 AV			1.37 V	96	65.8	40.8
3	5350.00	58.1 PK	74.0	-15.9	1.37 V	96	55.1	3.0
4	5350.00	45.4 AV	54.0	-8.6	1.37 V	96	42.4	3.0
5	#10480.00	56.0 PK	68.2	-12.2	2.25 V	193	47.7	8.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	20 MHz Preamble 802.11ax (RU106)	**Channel**	CH 52：5260 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	23°C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	5150.00	58.9 PK	74.0	-15.1	1.01 H	141	55.6	3.3
2	5150.00	46.4 AV	54.0	-7.6	1.01 H	141	43.1	3.3
3	*5260.00	120.7 PK			1.01 H	141	80.0	40.7
4	*5260.00	108.2 AV			1.01 H	141	67.5	40.7
5	#10520.00	56.5 PK	68.2	-11.7	1.90 H	258	48.2	8.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	5150.00	58.1 PK	74.0	-15.9	1.31 V	91	54.8	3.3
2	5150.00	46.2 AV	54.0	-7.8	1.31 V	91	42.9	3.3
3	*5260.00	117.5 PK			1.31 V	91	76.8	40.7
4	*5260.00	105.3 AV			1.31 V	91	64.6	40.7
5	#10520.00	56.4 PK	68.2	-11.8	2.33 V	192	48.1	8.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	20 MHz Preamble 802.11ax (RU106)	**Channel**	CH 64：5320 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	23°C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	*5320.00	121.1 PK			1.02 H	139	80.3	40.8
2	*5320.00	109.3 AV			1.02 H	139	68.5	40.8
3	5350.00	67.0 PK	74.0	-7.0	1.02 H	139	64.0	3.0
4	5350.00	46.2 AV	54.0	-7.8	1.02 H	139	43.2	3.0
5	10640.00	57.0 PK	74.0	-17.0	1.80 H	236	48.2	8.8
6	10640.00	43.2 AV	54.0	-10.8	1.80 H	236	34.4	8.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	*5320.00	118.2 PK			1.19 V	86	77.4	40.8
2	*5320.00	106.6 AV			1.19 V	86	65.8	40.8
3	5350.00	63.4 PK	74.0	-10.6	1.19 V	86	60.4	3.0
4	5350.00	45.6 AV	54.0	-8.4	1.19 V	86	42.6	3.0
5	10640.00	56.6 PK	74.0	-17.4	2.29 V	181	47.8	8.8
6	10640.00	42.7 AV	54.0	-11.3	2.29 V	181	33.9	8.8

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.

RF Mode	20 MHz Preamble 802.11ax (RU106)	**Channel**	CH 100：5500 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	23°C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	5460.00	63.0 PK	74.0	-11.0	1.09 H	114	59.9	3.1
2	5460.00	46.5 AV	54.0	-7.5	1.09 H	114	43.4	3.1
3	#5470.00	66.2 PK	68.2	-2.0	1.09 H	144	63.0	3.2
4	*5500.00	119.5 PK			1.09 H	144	78.5	41.0
5	*5500.00	108.0 AV			1.09 H	144	67.0	41.0
6	11000.00	57.6 PK	74.0	-16.4	1.80 H	242	48.5	9.1
7	11000.00	43.6 AV	54.0	-10.4	1.80 H	242	34.5	9.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	5460.00	58.6 PK	74.0	-15.4	1.14 V	89	55.5	3.1
2	5460.00	45.7 AV	54.0	-8.3	1.14 V	89	42.6	3.1
3	#5470.00	63.2 PK	68.2	-5.0	1.14 V	89	60.0	3.2
4	*5500.00	117.0 PK			1.14 V	89	76.0	41.0
5	*5500.00	105.5 AV			1.14 V	89	64.5	41.0
6	11000.00	57.3 PK	74.0	-16.7	2.36 V	187	48.2	9.1
7	11000.00	43.4 AV	54.0	-10.6	2.36 V	187	34.3	9.1

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	20 MHz Preamble 802.11ax (RU106)	**Channel**	CH 140：5700 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	23°C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	*5700.00	118.2 PK			1.04 H	143	76.1	42.1
2	*5700.00	106.2 AV			1.04 H	143	64.1	42.1
3	#5725.00	67.8 PK	68.2	-0.4	1.04 H	143	63.0	4.8
4	11400.00	58.2 PK	74.0	-15.8	1.87 H	256	48.5	9.7
5	11400.00	44.2 AV	54.0	-9.8	1.87 H	256	34.5	9.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	*5700.00	115.5 PK			1.18 V	86	73.4	42.1
2	*5700.00	103.5 AV			1.18 V	86	61.4	42.1
3	#5725.00	65.7 PK	68.2	-2.5	1.18 V	86	60.9	4.8
4	11400.00	58.0 PK	74.0	-16.0	2.29 V	194	48.3	9.7
5	11400.00	43.9 AV	54.0	-10.1	2.29 V	194	34.2	9.7

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	20 MHz Preamble 802.11ax (RU106)	**Channel**	CH 144：5720 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	23°C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	#5470.00	58.0 PK	68.2	-10.2	1.07 H	144	54.8	3.2
2	*5720.00	117.4 PK			1.07 H	144	75.2	42.2
3	*5720.00	105.7 AV			1.07 H	144	63.5	42.2
4	#5850.00	60.0 PK	68.2	-8.2	1.00 H	144	54.9	5.1
5	11440.00	58.0 PK	74.0	-16.0	1.87 H	259	48.4	9.6
6	11440.00	44.0 AV	54.0	-10.0	1.87 H	259	34.4	9.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	#5470.00	57.8 PK	68.2	-10.4	1.15 V	94	54.6	3.2
2	*5720.00	114.8 PK			1.15 V	94	72.6	42.2
3	*5720.00	102.9 AV			1.15 V	94	60.7	42.2
4	#5850.00	59.9 PK	68.2	-8.3	1.15 V	94	54.8	5.1
5	11440.00	57.8 PK	74.0	-16.2	2.27 V	188	48.2	9.6
6	11440.00	43.9 AV	54.0	-10.1	2.27 V	188	34.3	9.6

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	20 MHz Preamble 802.11ax (RU106)	Channel	CH 149：5745 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5621.20	58.9 PK	68.2	-9.3	1.06 H	144	54.7	4.2
2	*5745.00	117.3 PK			1.06 H	144	74.9	42.4
3	*5745.00	105.6 AV			1.06 H	144	63.2	42.4
4	#5957.60	58.6 PK	68.2	-9.6	1.06 H	144	53.7	4.9
5	11490.00	58.1 PK	74.0	-15.9	1.87 H	262	48.5	9.6
6	11490.00	44.2 AV	54.0	-9.8	1.87 H	262	34.6	9.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5602.00	58.0 PK	68.2	-10.2	1.21 V	92	53.9	4.1
2	*5745.00	114.6 PK			1.21 V	92	72.2	42.4
3	*5745.00	102.8 AV			1.21 V	92	60.4	42.4
4	#5925.60	58.8 PK	68.2	-9.4	1.21 V	92	53.8	5.0
5	11490.00	57.9 PK	74.0	-16.1	2.20 V	190	48.3	9.6
6	11490.00	44.0 AV	54.0	-10.0	2.20 V	190	34.4	9.6

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.

RF Mode	20 MHz Preamble 802.11ax (RU106)	Channel	CH 165：5825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5630.00	59.5 PK	68.2	-8.7	1.05 H	148	55.3	4.2
2	*5825.00	118.3 PK			1.05 H	148	75.7	42.6
3	*5825.00	106.2 AV			1.05 H	148	63.6	42.6
4	#5935.20	60.2 PK	68.2	-8.0	1.05 H	148	55.2	5.0
5	11650.00	58.0 PK	74.0	-16.0	1.93 H	257	48.6	9.4
6	11650.00	43.9 AV	54.0	-10.1	1.93 H	257	34.5	9.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5619.60	58.6 PK	68.2	-9.6	1.25 V	90	54.4	4.2
2	*5825.00	115.1 PK			1.25 V	90	72.5	42.6
3	*5825.00	103.3 AV			1.25 V	90	60.7	42.6
4	#5995.60	59.8 PK	68.2	-8.4	1.25 V	90	55.0	4.8
5	11650.00	57.8 PK	74.0	-16.2	2.16 V	185	48.4	9.4
6	11650.00	43.8 AV	54.0	-10.2	2.16 V	185	34.4	9.4

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11ax (HE20) Full RU	Channel	CH 36：5180 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	56.2 PK	74.0	-17.8	1.11 H	137	53.3	2.9
2	5150.00	46.9 AV	54.0	-7.1	1.11 H	137	44.0	2.9
3	*5180.00	111.2 PK			1.11 H	137	70.7	40.5
4	*5180.00	102.7 AV			1.11 H	137	62.2	40.5
5	#10360.00	55.5 PK	68.2	-12.7	1.60 H	278	46.8	8.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	55.6 PK	74.0	-18.4	1.16 V	107	52.7	2.9
2	5150.00	46.0 AV	54.0	-8.0	1.16 V	107	43.1	2.9
3	*5180.00	108.5 PK			1.16 V	107	68.0	40.5
4	*5180.00	98.8 AV			1.16 V	107	58.3	40.5
5	#10360.00	55.1 PK	68.2	-13.1	2.06 V	166	46.4	8.7

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11ax (HE20) Full RU	Channel	CH 40：5200 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5200.00	111.7 PK			1.06 H	139	71.3	40.4
2	*5200.00	103.4 AV			1.06 H	139	63.0	40.4
3	#10400.00	55.5 PK	68.2	-12.7	1.63 H	285	47.0	8.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5200.00	108.8 PK			1.17 V	111	68.4	40.4
2	*5200.00	98.9 AV			1.17 V	111	58.5	40.4
3	#10400.00	55.1 PK	68.2	-13.1	2.01 V	167	46.6	8.5

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11ax (HE20) Full RU	Channel	CH 48：5240 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	111.5 PK			1.02 H	137	71.2	40.3
2	*5240.00	103.4 AV			1.02 H	137	63.1	40.3
3	5350.00	56.7 PK	74.0	-17.3	1.02 H	137	54.0	2.7
4	5350.00	46.6 AV	54.0	-7.4	1.02 H	137	43.9	2.7
5	#10480.00	55.5 PK	68.2	-12.7	1.63 H	263	46.9	8.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	108.5 PK			1.08 V	106	68.2	40.3
2	*5240.00	99.1 AV			1.08 V	106	58.8	40.3
3	5350.00	56.0 PK	74.0	-18.0	1.08 V	106	53.3	2.7
4	5350.00	46.3 AV	54.0	-7.7	1.08 V	106	43.6	2.7
5	#10480.00	55.1 PK	68.2	-13.1	2.00 V	170	46.5	8.6

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11ax (HE20) Full RU	Channel	CH 52：5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	56.9 PK	74.0	-17.1	1.00 H	141	54.0	2.9
2	5150.00	46.6 AV	54.0	-7.4	1.00 H	141	43.7	2.9
3	*5260.00	112.1 PK			1.00 H	141	71.8	40.3
4	*5260.00	103.1 AV			1.00 H	141	62.8	40.3
5	#10520.00	55.4 PK	68.2	-12.8	1.57 H	286	46.8	8.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	56.6 PK	74.0	-17.4	1.04 V	109	53.7	2.9
2	5150.00	46.6 AV	54.0	-7.4	1.04 V	109	43.7	2.9
3	*5260.00	109.4 PK			1.04 V	109	69.1	40.3
4	*5260.00	98.6 AV			1.04 V	109	58.3	40.3
5	#10520.00	55.1 PK	68.2	-13.1	2.00 V	172	46.5	8.6
6	#10520.00	45.0 AV	54.0	-9.0	2.00 V	172	36.4	8.6

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11ax (HE20) Full RU	Channel	CH 60：5300 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	113.4 PK			1.04 H	139	73.2	40.2
2	*5300.00	103.7 AV			1.04 H	139	63.5	40.2
3	10600.00	56.2 PK	74.0	-17.8	1.51 H	280	46.9	9.3
4	10600.00	46.2 AV	54.0	-7.8	1.51 H	280	36.9	9.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	109.2 PK			1.13 V	103	69.0	40.2
2	*5300.00	99.1 AV			1.13 V	103	58.9	40.2
3	10600.00	55.8 PK	74.0	-18.2	2.01 V	166	46.5	9.3
4	10600.00	45.7 AV	54.0	-8.3	2.01 V	166	36.4	9.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.

RF Mode	802.11ax (HE20) Full RU	Channel	CH 64：5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	113.1 PK			1.00 H	138	72.8	40.3
2	*5320.00	104.0 AV			1.00 H	138	63.7	40.3
3	5350.00	56.2 PK	74.0	-17.8	1.00 H	138	53.5	2.7
4	5350.00	46.9 AV	54.0	-7.1	1.00 H	138	44.2	2.7
5	10640.00	55.9 PK	74.0	-18.1	1.62 H	274	46.7	9.2
6	10640.00	46.1 AV	54.0	-7.9	1.62 H	274	36.9	9.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	106.1 PK			1.06 V	103	65.8	40.3
2	*5320.00	98.5 AV			1.06 V	103	58.2	40.3
3	5350.00	56.5 PK	74.0	-17.5	1.06 V	103	53.8	2.7
4	5350.00	46.5 AV	54.0	-7.5	1.06 V	103	43.8	2.7
5	10640.00	55.6 PK	74.0	-18.4	2.15 V	163	46.4	9.2
6	10640.00	45.3 AV	54.0	-8.7	2.15 V	163	36.1	9.2

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.

RF Mode	802.11ax (HE20) Full RU	Channel	CH 100：5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	57.1 PK	74.0	-16.9	1.08 H	136	54.4	2.7
2	5460.00	47.3 AV	54.0	-6.7	1.08 H	136	44.6	2.7
3	#5470.00	58.4 PK	68.2	-9.8	1.08 H	136	55.6	2.8
4	*5500.00	113.6 PK			1.08 H	136	73.1	40.5
5	*5500.00	103.4 AV			1.08 H	136	62.9	40.5
6	11000.00	56.7 PK	74.0	-17.3	1.63 H	284	47.6	9.1
7	11000.00	47.3 AV	54.0	-6.7	1.63 H	284	38.2	9.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	56.9 PK	74.0	-17.1	1.03 V	114	54.2	2.7
2	5460.00	47.0 AV	54.0	-7.0	1.03 V	114	44.3	2.7
3	#5470.00	58.1 PK	68.2	-10.1	1.03 V	114	55.3	2.8
4	*5500.00	108.9 PK			1.03 V	114	68.4	40.5
5	*5500.00	98.6 AV			1.03 V	114	58.1	40.5
6	11000.00	55.9 PK	74.0	-18.1	2.06 V	174	46.8	9.1
7	11000.00	46.6 AV	54.0	-7.4	2.06 V	174	37.5	9.1

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11ax (HE20) Full RU	Channel	CH 116：5580 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5580.00	114.8 PK			1.18 H	141	73.7	41.1
2	*5580.00	104.4 AV			1.18 H	141	63.3	41.1
3	11160.00	56.9 PK	74.0	-17.1	1.62 H	297	47.6	9.3
4	11160.00	47.5 AV	54.0	-6.5	1.62 H	297	38.2	9.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5580.00	109.9 PK			1.14 V	113	68.8	41.1
2	*5580.00	99.6 AV			1.14 V	113	58.5	41.1
3	11160.00	56.1 PK	74.0	-17.9	2.08 V	169	46.8	9.3
4	11160.00	46.9 AV	54.0	-7.1	2.08 V	169	37.6	9.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.

RF Mode	802.11ax (HE20) Full RU	Channel	CH 140：5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	113.4 PK			1.19 H	143	71.6	41.8
2	*5700.00	103.2 AV			1.19 H	143	61.4	41.8
3	#5725.00	60.2 PK	68.2	-8.0	1.19 H	143	55.7	4.5
4	11400.00	57.6 PK	74.0	-16.4	1.56 H	301	47.4	10.2
5	11400.00	48.2 AV	54.0	-5.8	1.56 H	301	38.0	10.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	108.2 PK			1.09 V	118	66.4	41.8
2	*5700.00	98.0 AV			1.09 V	118	56.2	41.8
3	#5725.00	59.7 PK	68.2	-8.5	1.09 V	118	55.2	4.5
4	11400.00	56.8 PK	74.0	-17.2	2.23 V	186	46.6	10.2
5	11400.00	47.4 AV	54.0	-6.6	2.23 V	186	37.2	10.2

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11ax (HE20) Full RU	Channel	CH 144：5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	57.4 PK	68.2	-10.8	1.11 H	141	54.6	2.8
2	*5720.00	113.5 PK			1.11 H	141	71.6	41.9
3	*5720.00	103.2 AV			1.11 H	141	61.3	41.9
4	#5850.00	60.2 PK	68.2	-8.0	1.11 H	141	55.6	4.6
5	11440.00	57.6 PK	74.0	-16.4	1.62 H	304	47.4	10.2
6	11440.00	48.1 AV	54.0	-5.9	1.62 H	304	37.9	10.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	57.2 PK	68.2	-11.0	1.06 V	117	54.4	2.8
2	*5720.00	108.6 PK			1.06 V	117	66.7	41.9
3	*5720.00	98.3 AV			1.06 V	117	56.4	41.9
4	#5850.00	59.9 PK	68.2	-8.3	1.06 V	177	55.3	4.6
5	11440.00	56.9 PK	74.0	-17.1	2.14 V	177	46.7	10.2
6	11440.00	47.5 AV	54.0	-6.5	2.14 V	177	37.3	10.2

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11ax (HE20) Full RU	Channel	CH 149：5745 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5600.80	58.7 PK	68.2	-9.5	1.01 H	142	54.9	3.8
2	*5745.00	113.8 PK			1.01 H	142	71.7	42.1
3	*5745.00	103.4 AV			1.01 H	142	61.3	42.1
4	#5984.00	59.6 PK	68.2	-8.6	1.01 H	142	55.1	4.5
5	11490.00	57.1 PK	74.0	-16.9	1.62 H	190	46.9	10.2
6	11490.00	47.0 AV	54.0	-7.0	1.62 H	190	36.8	10.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5615.20	58.4 PK	68.2	-9.8	1.13 V	111	54.5	3.9
2	*5745.00	105.6 PK			1.13 V	111	63.5	42.1
3	*5745.00	96.6 AV			1.13 V	111	54.5	42.1
4	#5970.00	59.5 PK	68.2	-8.7	1.13 V	111	55.0	4.5
5	11490.00	56.4 PK	74.0	-17.6	2.07 V	171	46.2	10.2
6	11490.00	46.7 AV	54.0	-7.3	2.07 V	171	36.5	10.2

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.

RF Mode	802.11ax (HE20) Full RU	Channel	CH 157：5785 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5645.60	56.8 PK	68.2	-11.4	1.04 H	143	52.8	4.0
2	*5785.00	112.6 PK			1.04 H	143	70.6	42.0
3	*5785.00	102.7 AV			1.04 H	143	60.7	42.0
4	#5968.00	59.6 PK	68.2	-8.6	1.04 H	143	55.1	4.5
5	11570.00	56.7 PK	74.0	-17.3	1.50 H	283	46.7	10.0
6	11570.00	46.5 AV	54.0	-7.5	1.50 H	283	36.5	10.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5632.80	58.4 PK	68.2	-9.8	1.04 V	113	54.5	3.9
2	*5785.00	104.0 PK			1.04 V	113	62.0	42.0
3	*5785.00	95.3 AV			1.04 V	113	53.3	42.0
4	#5925.60	60.0 PK	68.2	-8.2	1.04 V	113	55.5	4.5
5	11570.00	56.2 PK	74.0	-17.8	2.16 V	173	46.2	10.0
6	11570.00	46.1 AV	54.0	-7.9	2.16 V	173	36.1	10.0

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11ax (HE20) Full RU	Channel	CH 165：5825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5646.80	59.3 PK	68.2	-8.9	1.20 H	137	55.3	4.0
2	*5825.00	112.3 PK			1.20 H	137	70.2	42.1
3	*5825.00	102.1 AV			1.20 H	137	60.0	42.1
4	#5963.20	60.4 PK	68.2	-7.8	1.20 H	137	55.9	4.5
5	11650.00	56.6 PK	74.0	-17.4	1.62 H	293	46.6	10.0
6	11650.00	46.5 AV	54.0	-7.5	1.62 H	293	36.5	10.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5624.00	57.9 PK	68.2	-10.3	1.03 V	113	54.0	3.9
2	*5825.00	104.6 PK			1.03 V	113	62.5	42.1
3	*5825.00	94.9 AV			1.03 V	113	52.8	42.1
4	#5946.40	59.2 PK	68.2	-9.0	1.03 V	113	54.8	4.4
5	11650.00	56.5 PK	74.0	-17.5	2.11 V	169	46.5	10.0
6	11650.00	46.3 AV	54.0	-7.7	2.11 V	169	36.3	10.0

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11ax (HE40) Full RU	Channel	CH 38：5190 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	60.4 PK	74.0	-13.6	1.05 H	135	57.5	2.9
2	5150.00	50.4 AV	54.0	-3.6	1.05 H	135	47.5	2.9
3	*5190.00	109.6 PK			1.05 H	135	69.2	40.4
4	*5190.00	100.1 AV			1.05 H	135	59.7	40.4
5	#10380.00	55.4 PK	68.2	-12.8	1.61 H	279	46.8	8.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	56.6 PK	74.0	-17.4	1.16 V	104	53.7	2.9
2	5150.00	47.6 AV	54.0	-6.4	1.16 V	104	44.7	2.9
3	*5190.00	105.1 PK			1.16 V	104	64.7	40.4
4	*5190.00	95.8 AV			1.16 V	104	55.4	40.4
5	#10380.00	55.1 PK	68.2	-13.1	2.04 V	171	46.5	8.6

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11ax (HE40) Full RU	Channel	CH 46：5230 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5230.00	110.8 PK			1.04 H	137	70.5	40.3
2	*5230.00	100.8 AV			1.04 H	137	60.5	40.3
3	5350.00	56.9 PK	74.0	-17.1	1.04 H	137	54.2	2.7
4	5350.00	46.9 AV	54.0	-7.1	1.04 H	137	44.2	2.7
5	#10460.00	55.3 PK	68.2	-12.9	1.56 H	287	46.8	8.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5230.00	105.3 PK			1.15 V	107	65.0	40.3
2	*5230.00	96.2 AV			1.15 V	107	55.9	40.3
3	5350.00	56.2 PK	74.0	-17.8	1.15 V	107	53.5	2.7
4	5350.00	46.8 AV	54.0	-7.2	1.15 V	107	44.1	2.7
5	#10460.00	55.0 PK	68.2	-13.2	1.99 V	169	46.5	8.5

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11ax (HE40) Full RU	Channel	CH 54：5270 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5270.00	110.4 PK			1.03 H	142	70.1	40.3
2	*5270.00	101.2 AV			1.03 H	142	60.9	40.3
3	5350.00	56.2 PK	74.0	-17.8	1.03 H	142	53.5	2.7
4	5350.00	46.9 AV	54.0	-7.1	1.03 H	142	44.2	2.7
5	#10540.00	55.6 PK	68.2	-12.6	1.50 H	282	46.7	8.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5270.00	105.1 PK			1.07 V	108	64.8	40.3
2	*5270.00	96.2 AV			1.07 V	108	55.9	40.3
3	5350.00	56.1 PK	74.0	-17.9	1.07 V	108	53.4	2.7
4	5350.00	46.0 AV	54.0	-8.0	1.07 V	108	43.3	2.7
5	#10540.00	55.3 PK	68.2	-12.9	1.99 V	163	46.4	8.9

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11ax (HE40) Full RU	Channel	CH 62：5310 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5310.00	110.9 PK			1.03 H	141	70.7	40.2
2	*5310.00	101.6 AV			1.03 H	141	61.4	40.2
3	5350.00	57.3 PK	74.0	-16.7	1.03 H	141	54.6	2.7
4	5350.00	49.4 AV	54.0	-4.6	1.03 H	141	46.7	2.7
5	10620.00	55.9 PK	74.0	-18.1	1.62 H	293	46.7	9.2
6	10620.00	45.8 AV	54.0	-8.2	1.62 H	293	36.6	9.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5310.00	106.4 PK			1.06 V	100	66.2	40.2
2	*5310.00	96.3 AV			1.06 V	100	56.1	40.2
3	5350.00	57.0 PK	74.0	-17.0	1.06 V	100	54.3	2.7
4	5350.00	48.5 AV	54.0	-5.5	1.06 V	100	45.8	2.7
5	10620.00	55.6 PK	74.0	-18.4	2.10 V	172	46.4	9.2
6	10620.00	45.4 AV	54.0	-8.6	2.10 V	172	36.2	9.2

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.

RF Mode	802.11ax (HE40) Full RU	Channel	CH 102：5510 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	62.0 PK	74.0	-12.0	1.25 H	138	59.3	2.7
2	5460.00	52.5 AV	54.0	-1.5	1.25 H	138	49.8	2.7
3	#5470.00	64.1 PK	68.2	-4.1	1.25 H	138	61.3	2.8
4	*5510.00	110.9 PK			1.25 H	138	70.3	40.6
5	*5510.00	100.8 AV			1.25 H	138	60.2	40.6
6	11020.00	56.1 PK	74.0	-17.9	1.59 H	284	47.1	9.0
7	11020.00	46.7 AV	54.0	-7.3	1.59 H	284	37.7	9.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	58.6 PK	74.0	-15.4	1.07 V	115	55.9	2.7
2	5460.00	47.8 AV	54.0	-6.2	1.07 V	115	45.1	2.7
3	#5470.00	60.2 PK	68.2	-8.0	1.07 V	115	57.4	2.8
4	*5510.00	106.2 PK			1.07 V	115	65.6	40.6
5	*5510.00	96.0 AV			1.07 V	115	55.4	40.6
6	11020.00	55.4 PK	74.0	-18.6	2.24 V	176	46.4	9.0
7	11020.00	46.2 AV	54.0	-7.8	2.24 V	176	37.2	9.0

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11ax (HE40) Full RU	Channel	CH 110：5550 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5550.00	111.4 PK			1.17 H	143	70.6	40.8
2	*5550.00	101.5 AV			1.17 H	143	60.7	40.8
3	11100.00	56.4 PK	74.0	-17.6	1.57 H	306	47.1	9.3
4	11100.00	46.9 AV	54.0	-7.1	1.57 H	306	37.6	9.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5550.00	106.4 PK			1.12 V	119	65.6	40.8
2	*5550.00	96.6 AV			1.12 V	119	55.8	40.8
3	11100.00	55.6 PK	74.0	-18.4	2.23 V	174	46.3	9.3
4	11100.00	46.5 AV	54.0	-7.5	2.23 V	174	37.2	9.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.

RF Mode	802.11ax (HE40) Full RU	Channel	CH 134：5670 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5670.00	110.1 PK			1.00 H	139	68.5	41.6
2	*5670.00	100.1 AV			1.00 H	139	58.5	41.6
3	#5725.00	61.8 PK	68.2	-6.4	1.00 H	139	57.3	4.5
4	11340.00	57.0 PK	74.0	-17.0	1.52 H	306	47.0	10.0
5	11340.00	47.5 AV	54.0	-6.5	1.52 H	306	37.5	10.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5670.00	105.2 PK			1.10 V	109	63.6	41.6
2	*5670.00	95.4 AV			1.10 V	109	53.8	41.6
3	#5725.00	60.3 PK	68.2	-7.9	1.10 V	109	55.8	4.5
4	11340.00	56.3 PK	74.0	-17.7	2.21 V	162	46.3	10.0
5	11340.00	47.1 AV	54.0	-6.9	2.21 V	162	37.1	10.0

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11ax (HE40) Full RU	Channel	CH 142：5710 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	57.6 PK	68.2	-10.6	1.01 H	138	54.8	2.8
2	*5710.00	110.2 PK			1.01 H	138	68.4	41.8
3	*5710.00	100.1 AV			1.01 H	138	58.3	41.8
4	#5850.00	60.0 PK	68.2	-8.2	1.01 H	138	55.4	4.6
5	11420.00	57.4 PK	74.0	-16.6	1.59 H	284	47.2	10.2
6	11420.00	47.9 AV	54.0	-6.1	1.59 H	284	37.7	10.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	57.2 PK	68.2	-11.0	1.15 V	122	54.4	2.8
2	*5710.00	105.2 PK			1.15 V	122	63.4	41.8
3	*5710.00	95.3 AV			1.15 V	122	53.5	41.8
4	#5850.00	59.5 PK	68.2	-8.7	1.15 V	122	54.9	4.6
5	11420.00	56.6 PK	74.0	-17.4	2.14 V	182	46.4	10.2
6	11420.00	47.4 AV	54.0	-6.6	2.14 V	182	37.2	10.2

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11ax (HE40) Full RU	Channel	CH 151：5755 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5643.60	58.5 PK	68.2	-9.7	1.00 H	139	54.5	4.0
2	*5755.00	110.8 PK			1.00 H	139	68.7	42.1
3	*5755.00	100.9 AV			1.00 H	139	58.8	42.1
4	#5954.80	58.4 PK	68.2	-9.8	1.00 H	139	53.9	4.5
5	11510.00	56.7 PK	74.0	-17.3	1.57 H	281	46.5	10.2
6	11510.00	46.6 AV	54.0	-7.4	1.57 H	281	36.4	10.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5622.80	59.6 PK	68.2	-8.6	1.42 V	349	55.7	3.9
2	*5755.00	106.6 PK			1.42 V	349	64.5	42.1
3	*5755.00	94.1 AV			1.42 V	349	52.0	42.1
4	#5960.80	59.5 PK	68.2	-8.7	1.42 V	349	55.0	4.5
5	11510.00	56.0 PK	74.0	-18.0	2.12 V	174	45.8	10.2
6	11510.00	46.1 AV	54.0	-7.9	2.12 V	174	35.9	10.2

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.

RF Mode	802.11ax (HE40) Full RU	Channel	CH 159：5795 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5626.40	58.2 PK	68.2	-10.0	1.06 H	141	54.3	3.9
2	*5795.00	110.1 PK			1.06 H	141	68.1	42.0
3	*5795.00	100.0 AV			1.06 H	141	58.0	42.0
4	#5968.40	59.1 PK	68.2	-9.1	1.06 H	141	54.6	4.5
5	11590.00	56.4 PK	74.0	-17.6	1.67 H	290	46.6	9.8
6	11590.00	46.3 AV	54.0	-7.7	1.67 H	290	36.5	9.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5619.20	57.8 PK	68.2	-10.4	1.42 V	348	53.9	3.9
2	*5795.00	102.2 PK			1.42 V	348	60.2	42.0
3	*5795.00	94.1 AV			1.42 V	348	52.1	42.0
4	#5993.60	59.1 PK	68.2	-9.1	1.42 V	348	54.5	4.6
5	11590.00	56.0 PK	74.0	-18.0	2.01 V	161	46.2	9.8
6	11590.00	45.9 AV	54.0	-8.1	2.01 V	161	36.1	9.8

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11ax (HE80) Full RU	Channel	CH 42：5210 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	60.1 PK	74.0	-13.9	1.05 H	138	57.2	2.9
2	5150.00	51.3 AV	54.0	-2.7	1.05 H	138	48.4	2.9
3	*5210.00	105.2 PK			1.05 H	138	64.8	40.4
4	*5210.00	96.3 AV			1.05 H	138	55.9	40.4
5	#10420.00	55.2 PK	68.2	-13.0	1.56 H	281	46.7	8.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	56.7 PK	74.0	-17.3	1.05 V	104	53.8	2.9
2	5150.00	47.6 AV	54.0	-6.4	1.05 V	104	44.7	2.9
3	*5210.00	100.7 PK			1.05 V	104	60.3	40.4
4	*5210.00	91.8 AV			1.05 V	104	51.4	40.4
5	#10420.00	54.9 PK	68.2	-13.3	2.11 V	167	46.4	8.5

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11ax (HE80) Full RU	Channel	CH 58：5290 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5290.00	106.5 PK			1.09 H	141	66.2	40.3
2	*5290.00	97.3 AV			1.09 H	141	57.0	40.3
3	5350.00	58.7 PK	74.0	-15.3	1.02 H	136	56.0	2.7
4	5350.00	50.9 AV	54.0	-3.1	1.02 H	136	48.2	2.7
5	#10580.00	55.6 PK	68.2	-12.6	1.51 H	293	46.5	9.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5290.00	101.6 PK			1.03 V	115	61.3	40.3
2	*5290.00	92.0 AV			1.03 V	115	51.7	40.3
3	5350.00	57.2 PK	74.0	-16.8	1.03 V	115	54.5	2.7
4	5350.00	48.7 AV	54.0	-5.3	1.03 V	115	46.0	2.7
5	#10580.00	55.5 PK	68.2	-12.7	2.12 V	178	46.4	9.1

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11ax (HE80) Full RU	Channel	CH 106：5530 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	59.1 PK	74.0	-14.9	1.10 H	144	56.4	2.7
2	5460.00	48.9 AV	54.0	-5.1	1.10 H	144	46.2	2.7
3	#5470.00	60.2 PK	68.2	-8.0	1.10 H	144	57.4	2.8
4	*5530.00	105.7 PK			1.10 H	144	65.1	40.6
5	*5530.00	95.5 AV			1.10 H	144	54.9	40.6
6	#5725.00	59.8 PK	68.2	-8.4	1.10 H	144	55.3	4.5
7	11060.00	56.1 PK	74.0	-17.9	1.54 H	286	46.9	9.2
8	11060.00	46.3 AV	54.0	-7.7	1.54 H	286	37.1	9.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	57.4 PK	74.0	-16.6	1.11 V	118	54.7	2.7
2	5460.00	47.3 AV	54.0	-6.7	1.11 V	118	44.6	2.7
3	#5470.00	58.4 PK	68.2	-9.8	1.11 V	118	55.6	2.8
4	*5530.00	100.8 PK			1.11 V	118	60.2	40.6
5	*5530.00	90.7 AV			1.11 V	118	50.1	40.6
6	#5725.00	59.4 PK	68.2	-8.8	1.11 V	118	54.9	4.5
7	11060.00	55.4 PK	74.0	-18.6	2.24 V	165	46.2	9.2
8	11060.00	45.9 AV	54.0	-8.1	2.24 V	165	36.7	9.2

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11ax (HE80) Full RU	Channel	CH 122：5610 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	57.3 PK	74.0	-16.7	1.06 H	147	54.6	2.7
2	5460.00	47.0 AV	54.0	-7.0	1.06 H	147	44.3	2.7
3	#5470.00	58.4 PK	68.2	-9.8	1.06 H	147	55.6	2.8
4	*5610.00	104.6 PK			1.06 H	147	63.3	41.3
5	*5610.00	94.9 AV			1.06 H	147	53.6	41.3
6	11220.00	56.2 PK	74.0	-17.8	1.54 H	288	46.7	9.5
7	11220.00	47.0 AV	54.0	-7.0	1.54 H	288	37.5	9.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	57.0 PK	74.0	-17.0	1.00 V	114	54.3	2.7
2	5460.00	46.8 AV	54.0	-7.2	1.00 V	114	44.1	2.7
3	#5470.00	57.7 PK	68.2	-10.5	1.00 V	114	54.9	2.8
4	*5610.00	99.9 PK			1.00 V	114	58.6	41.3
5	*5610.00	90.1 AV			1.00 V	114	48.8	41.3
6	11220.00	55.7 PK	74.0	-18.3	2.17 V	163	46.2	9.5
7	11220.00	45.8 AV	54.0	-8.2	2.17 V	163	36.3	9.5

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11ax (HE80) Full RU	Channel	CH 138：5690 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	57.1 PK	68.2	-11.1	1.05 H	142	54.3	2.8
2	*5690.00	104.9 PK			1.05 H	142	63.2	41.7
3	*5690.00	95.1 AV			1.05 H	142	53.4	41.7
4	#5850.00	59.9 PK	68.2	-8.3	1.05 H	142	55.3	4.6
5	11380.00	57.1 PK	74.0	-16.9	1.57 H	302	47.0	10.1
6	11380.00	47.7 AV	54.0	-6.3	1.57 H	302	37.6	10.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	56.9 PK	68.2	-11.3	1.12 V	121	54.1	2.8
2	*5690.00	100.0 PK			1.12 V	121	58.3	41.7
3	*5690.00	90.2 AV			1.12 V	121	48.5	41.7
4	#5850.00	59.5 PK	68.2	-8.7	1.12 V	121	54.9	4.6
5	11380.00	56.4 PK	74.0	-17.6	2.21 V	174	46.3	10.1
6	11380.00	46.9 AV	54.0	-7.1	2.21 V	174	36.8	10.1

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11ax (HE80) Full RU	Channel	CH 155：5775 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5633.60	66.4 PK	68.2	-1.8	1.00 H	138	62.4	4.0
2	*5775.00	108.4 PK			1.00 H	138	66.4	42.0
3	*5775.00	99.2 AV			1.00 H	138	57.2	42.0
4	#5946.80	63.7 PK	68.2	-4.5	1.00 H	138	59.3	4.4
5	11550.00	56.7 PK	74.0	-17.3	1.49 H	274	46.6	10.1
6	11550.00	46.6 AV	54.0	-7.4	1.49 H	274	36.5	10.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5644.40	62.7 PK	68.2	-5.5	1.46 V	349	58.7	4.0
2	*5775.00	101.2 PK			1.46 V	349	59.2	42.0
3	*5775.00	92.8 AV			1.46 V	349	50.8	42.0
4	#5936.80	61.9 PK	68.2	-6.3	1.46 V	349	57.5	4.4
5	11550.00	56.1 PK	74.0	-17.9	4.00 V	157	46.0	10.1
6	11550.00	46.0 AV	54.0	-8.0	4.00 V	157	35.9	10.1

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.

RF Mode	802.11ax (HE160) Full RU	Channel	CH 50：5250 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5250.00	102.2 PK			1.04 H	145	61.8	40.4
2	*5250.00	93.3 AV			1.04 H	145	52.9	40.4
3	5350.00	62.9 PK	74.0	-11.1	1.04 H	145	60.2	2.7
4	**5350.00**	**53.1 AV**	**54.0**	**-0.9**	**1.04 H**	**145**	**50.4**	**2.7**
5	#10500.00	55.2 PK	68.2	-13.0	1.49 H	278	46.6	8.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5250.00	98.1 PK			1.05 V	106	57.7	40.4
2	*5250.00	88.4 AV			1.05 V	106	48.0	40.4
3	5350.00	59.9 PK	74.0	-14.1	1.05 V	106	57.2	2.7
4	5350.00	48.9 AV	54.0	-5.1	1.05 V	106	46.2	2.7
5	#10500.00	54.7 PK	68.2	-13.5	2.01 V	162	46.1	8.6

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11ax (HE160) Full RU	Channel	CH 114：5570 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

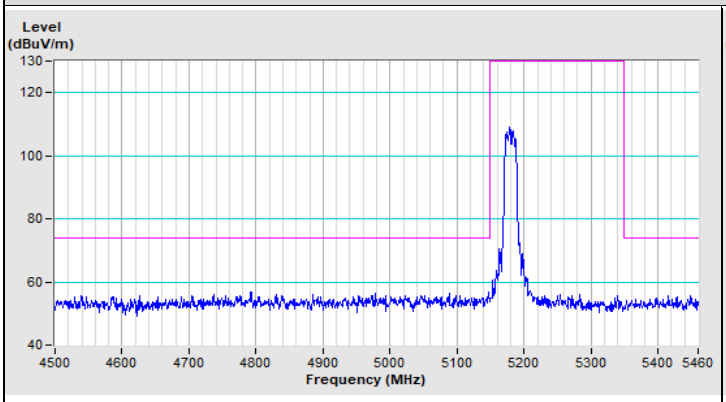
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	63.0 PK	74.0	-11.0	1.07 H	141	60.3	2.7
2	5460.00	52.8 AV	54.0	-1.2	1.07 H	141	50.1	2.7
3	#5470.00	64.5 PK	68.2	-3.7	1.07 H	141	61.7	2.8
4	*5570.00	104.2 PK			1.07 H	141	63.2	41.0
5	*5570.00	94.1 AV			1.07 H	141	53.1	41.0
6	#5725.00	61.8 PK	68.2	-6.4	1.07 H	141	57.3	4.5
7	11140.00	56.1 PK	74.0	-17.9	1.54 H	284	46.8	9.3
8	11140.00	46.5 AV	54.0	-7.5	1.54 H	284	37.2	9.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	59.6 PK	74.0	-14.4	1.03 V	116	56.9	2.7
2	5460.00	49.8 AV	54.0	-4.2	1.03 V	116	47.1	2.7
3	#5470.00	61.2 PK	68.2	-7.0	1.03 V	116	58.4	2.8
4	*5570.00	99.2 PK			1.03 V	116	58.2	41.0
5	*5570.00	89.3 AV			1.03 V	116	48.3	41.0
6	#5725.00	59.1 PK	68.2	-9.1	1.03 V	116	54.6	4.5
7	11140.00	55.5 PK	74.0	-18.5	2.13 V	164	46.2	9.3
8	11140.00	45.9 AV	54.0	-8.1	2.13 V	164	36.6	9.3

Remarks:

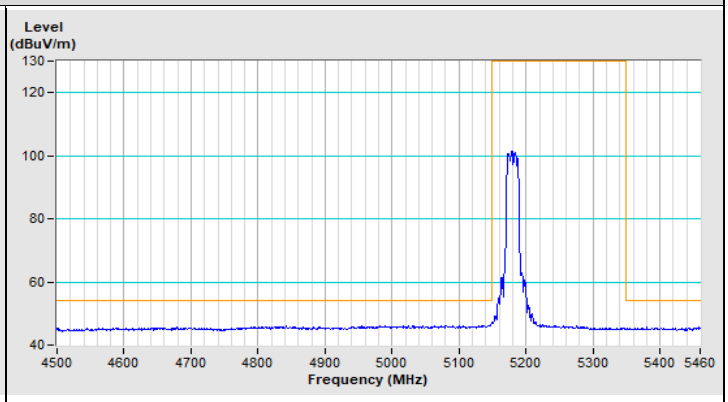
1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

Plot of Band Edge

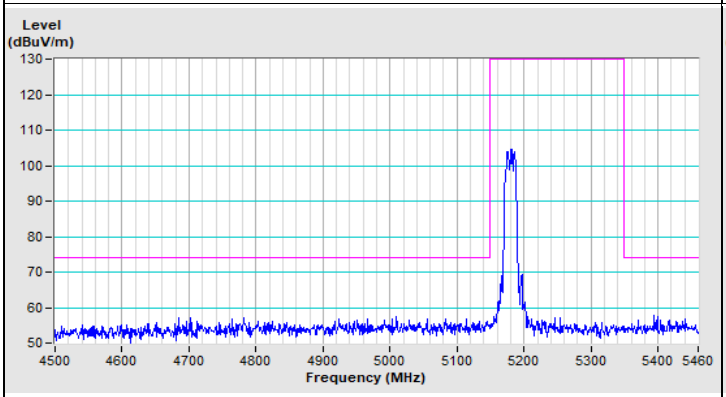
802.11a Channel 36



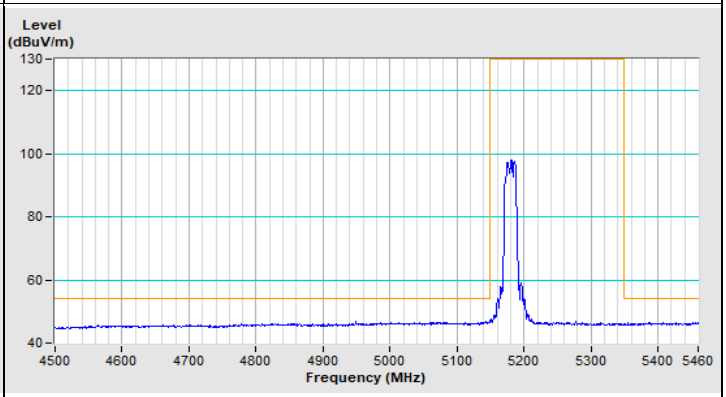
Horizontal (Peak)



Horizontal (Average)

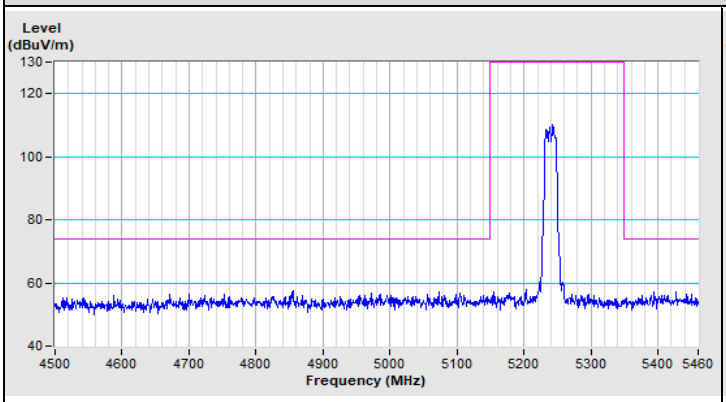


Vertical (Peak)



Vertical (Average)

802.11a Channel 48



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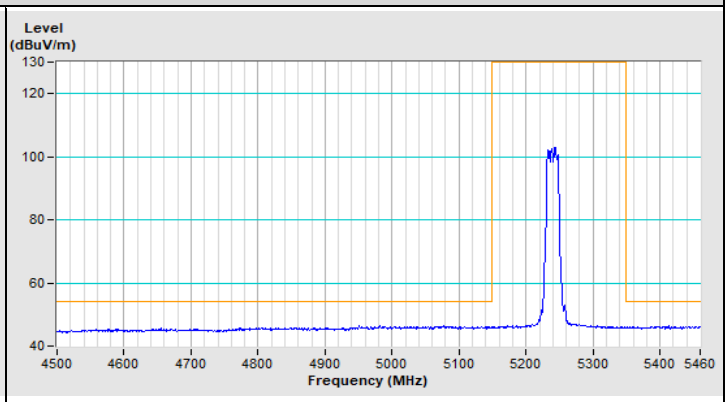
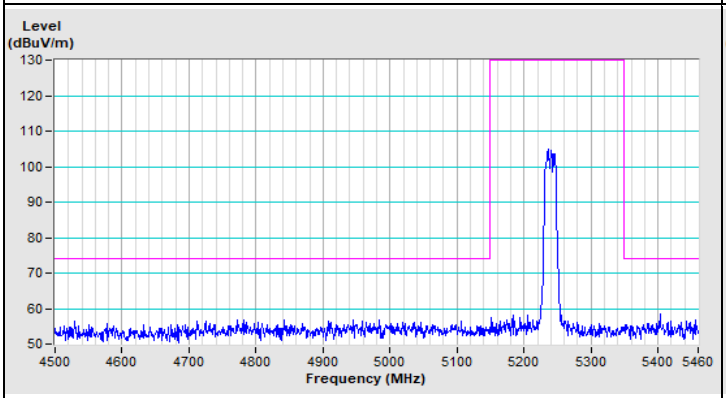
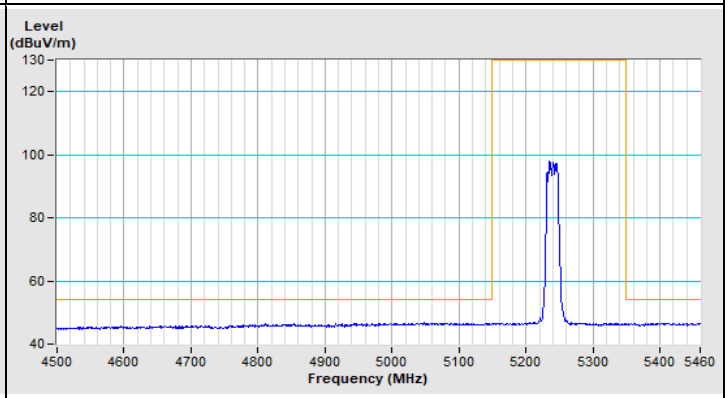


Horizontal (Average)

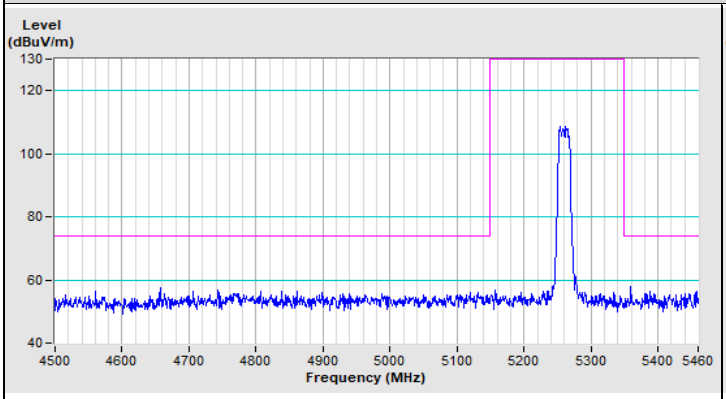


Vertical (Peak)

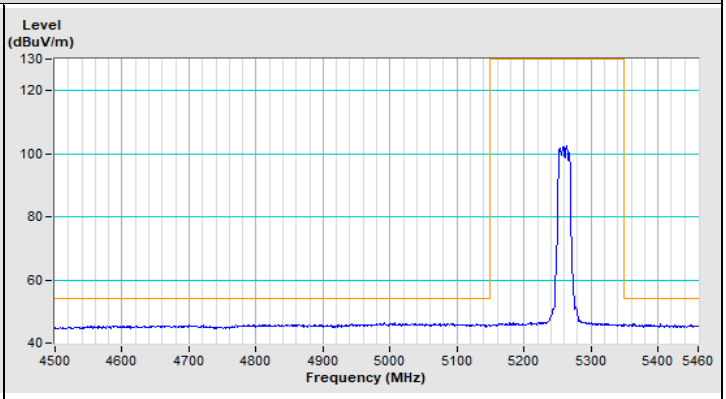


Vertical (Average)

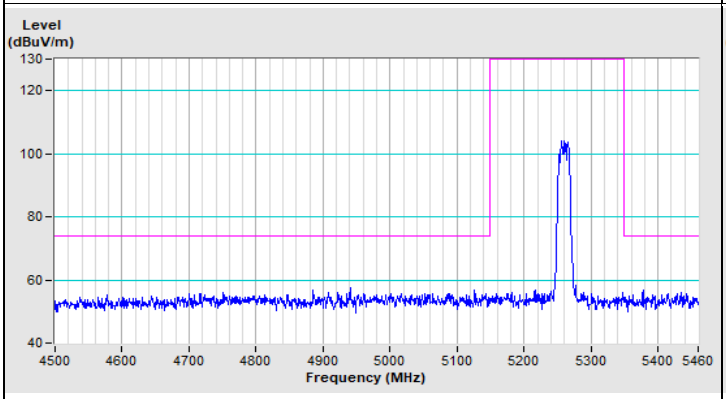
802.11a Channel 52



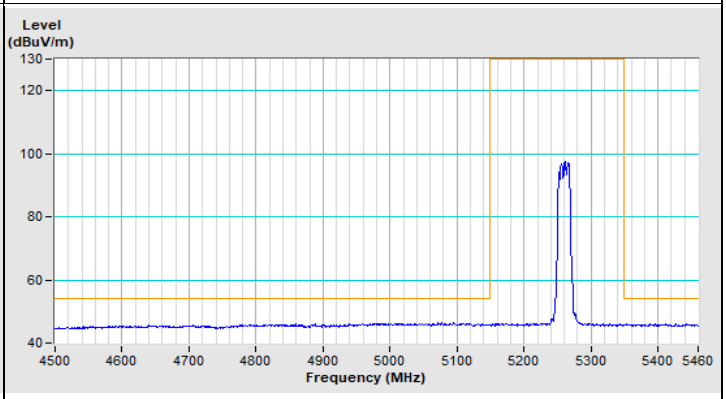
Horizontal (Peak)



Horizontal (Average)

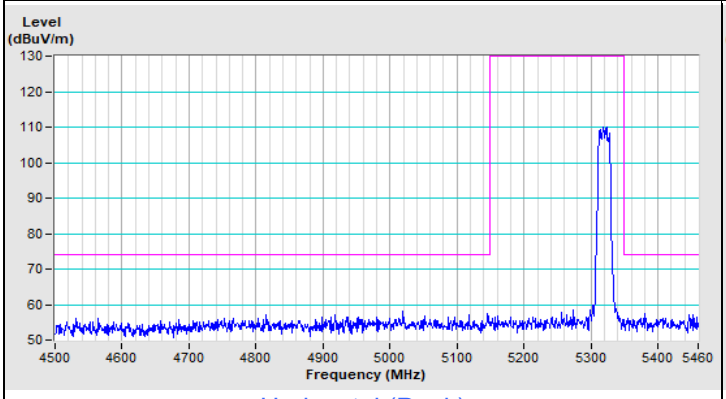


Vertical (Peak)

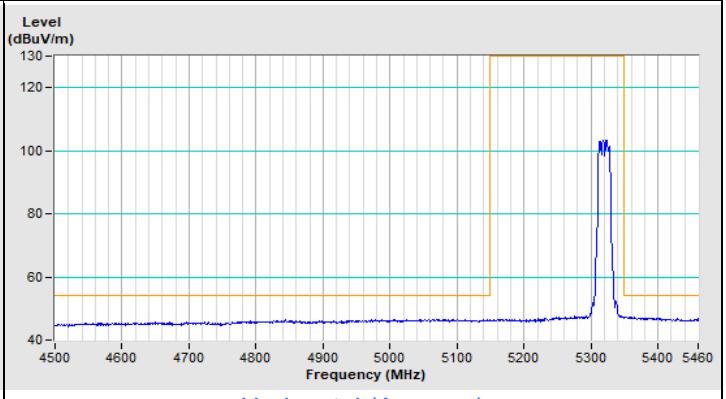


Vertical (Average)

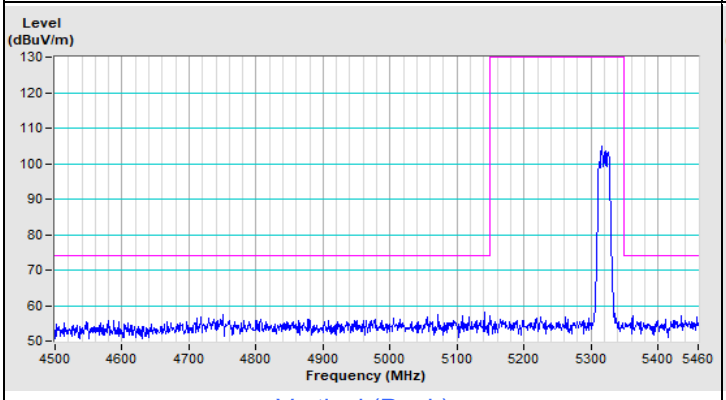
802.11a Channel 64



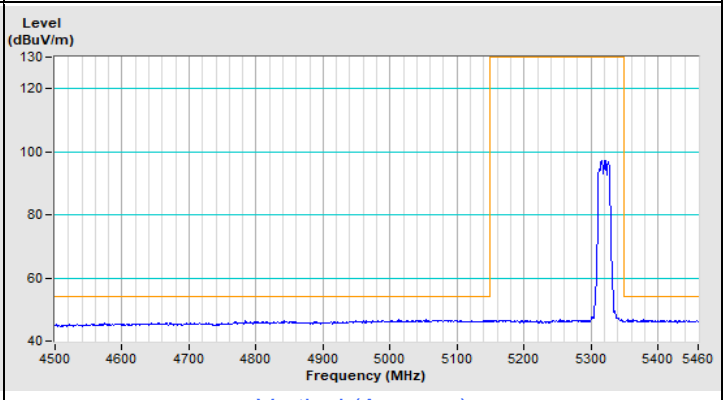
Horizontal (Peak)



Horizontal (Average)

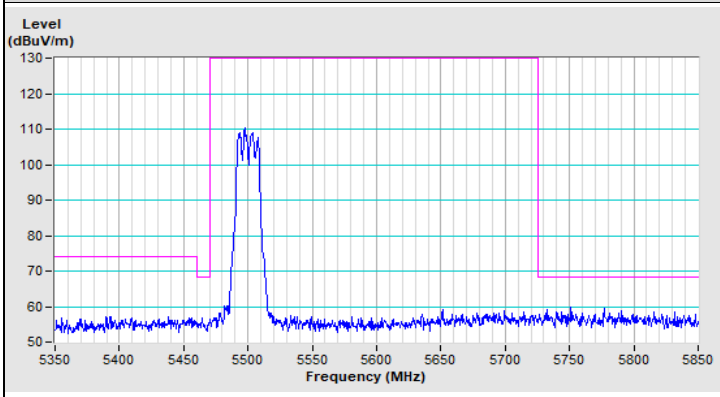


Vertical (Peak)

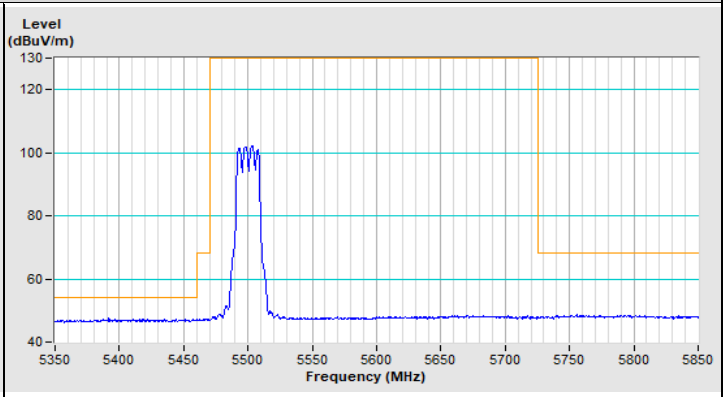


Vertical (Average)

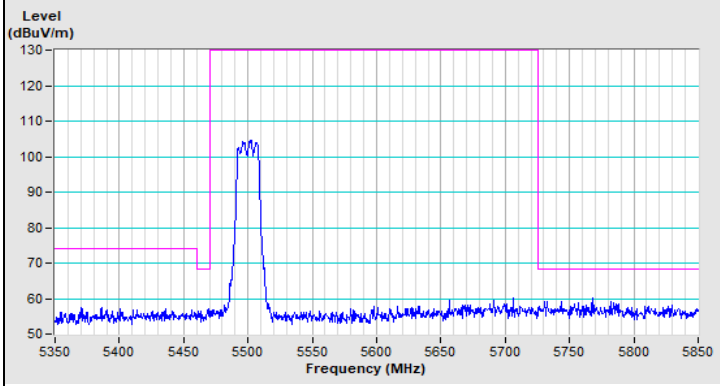
802.11a Channel 100



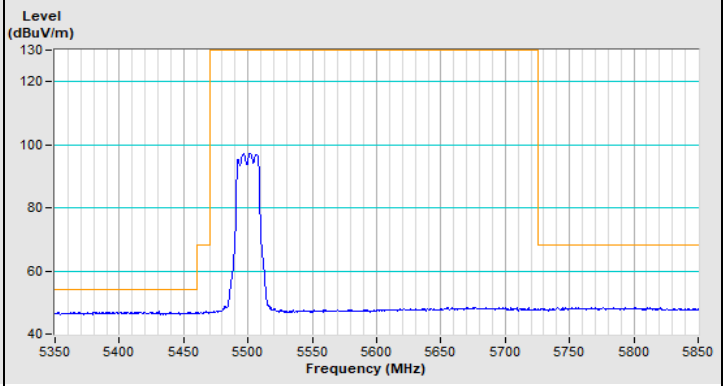
Horizontal (Peak)



Horizontal (Average)

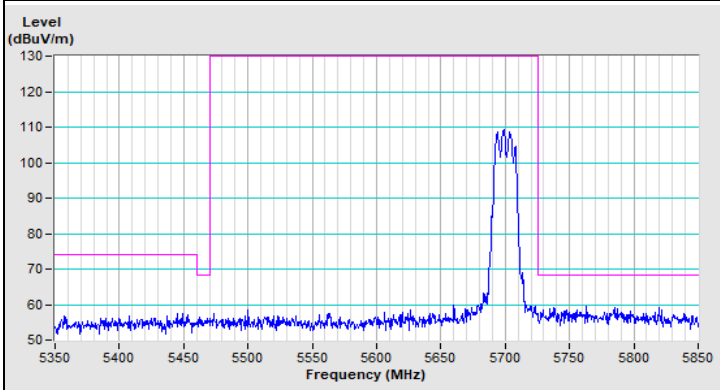


Vertical (Peak)

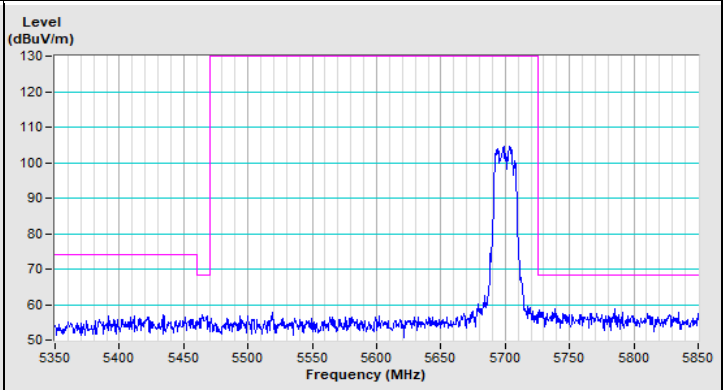


Vertical (Average)

802.11a Channel 140

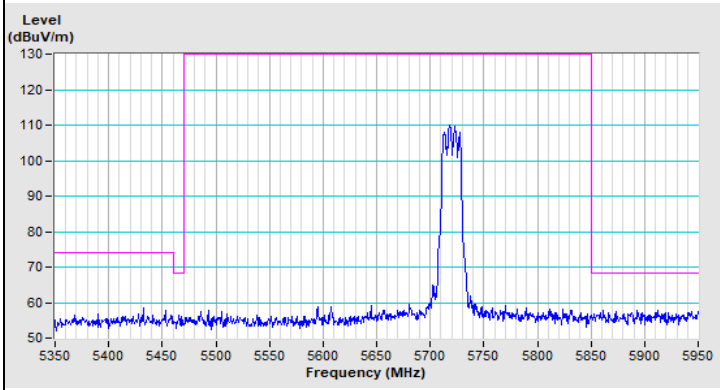


Horizontal (Peak)

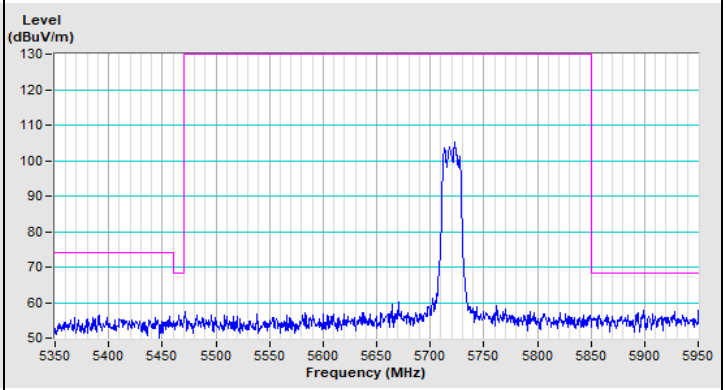


Vertical (Peak)

802.11a Channel 144

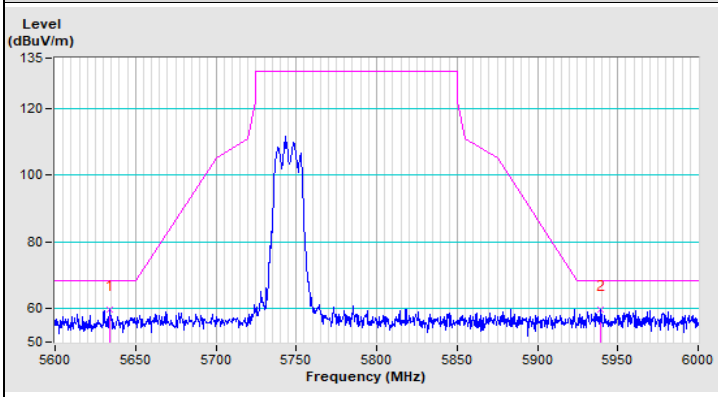


Horizontal (Peak)

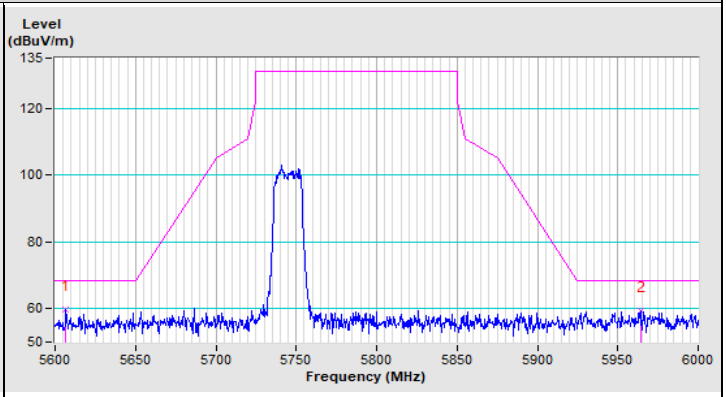


Vertical (Peak)

802.11a Channel 149

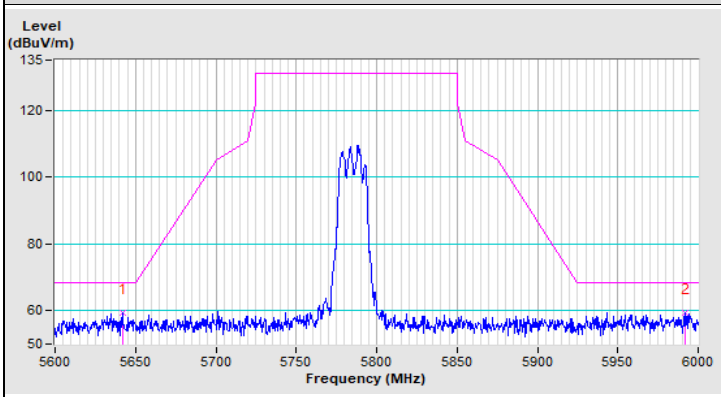


Horizontal (Peak)

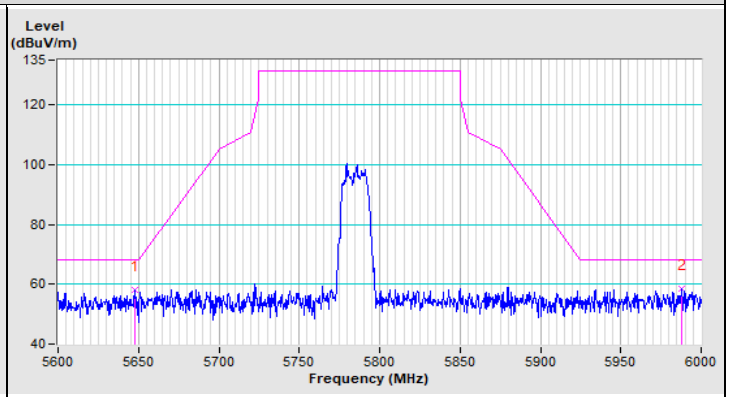


Vertical (Peak)

802.11a Channel 157

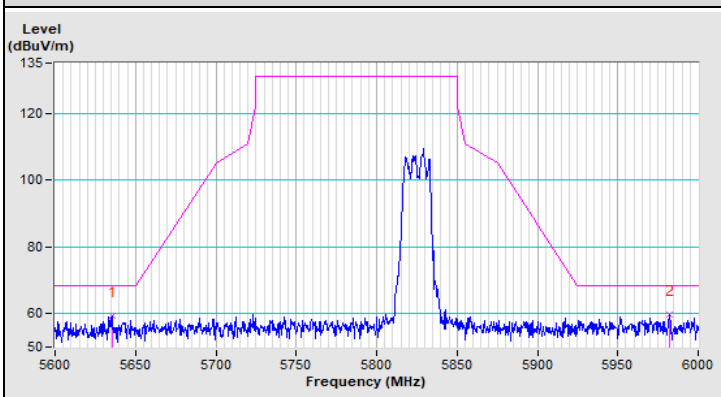


Horizontal (Peak)

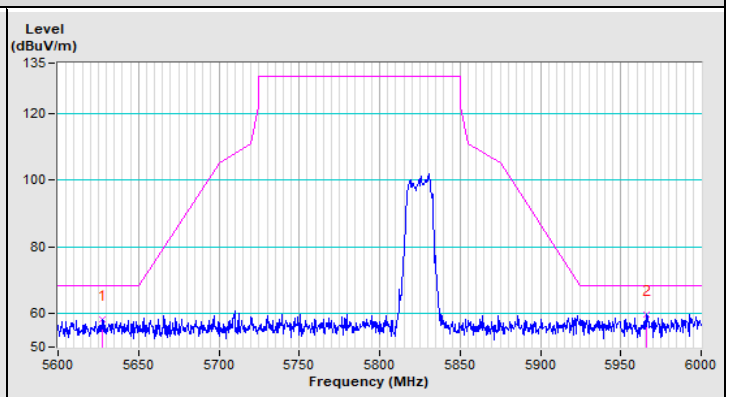


Vertical (Peak)

802.11a Channel 165

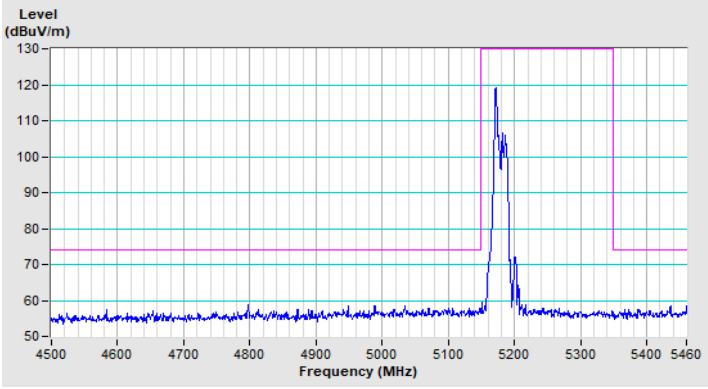


Horizontal (Peak)

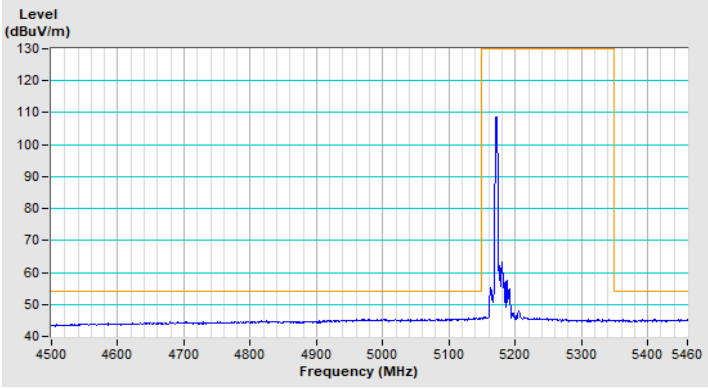


Vertical (Peak)

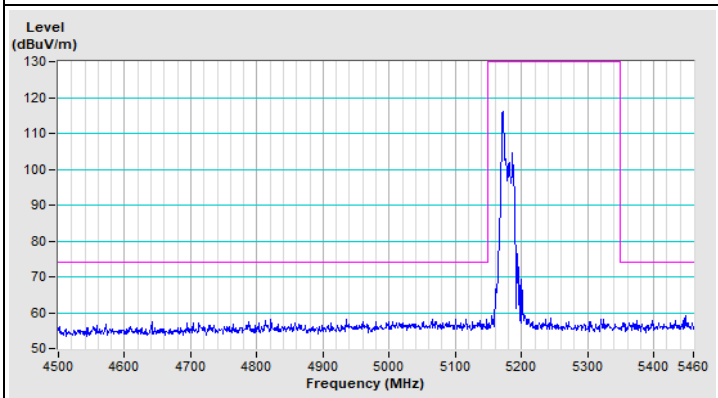
20 MHz Preamble 802.11ax (RU26) Channel 36



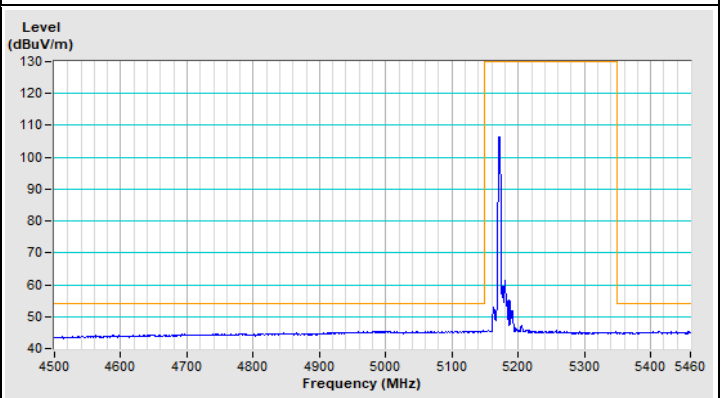
Horizontal (Peak)



Horizontal (Average)

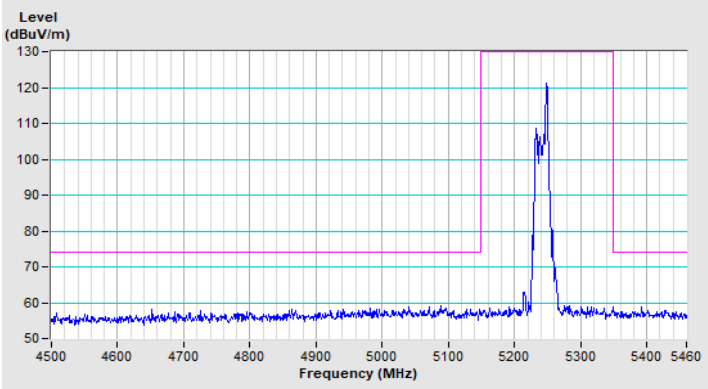


Vertical (Peak)

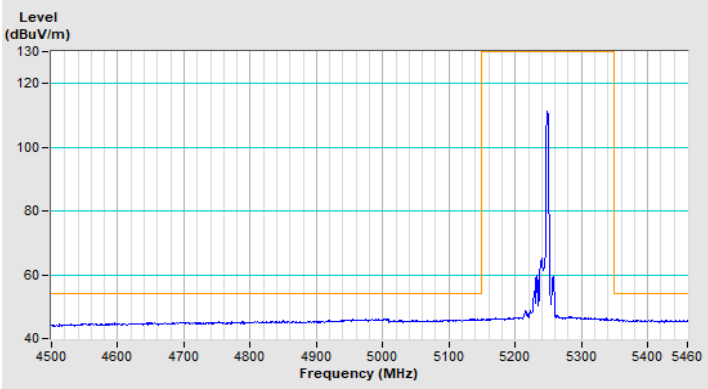


Vertical (Average)

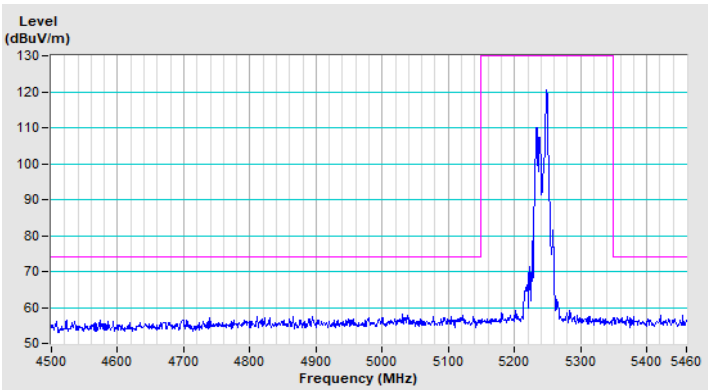
20 MHz Preamble 802.11ax (RU26) Channel 48



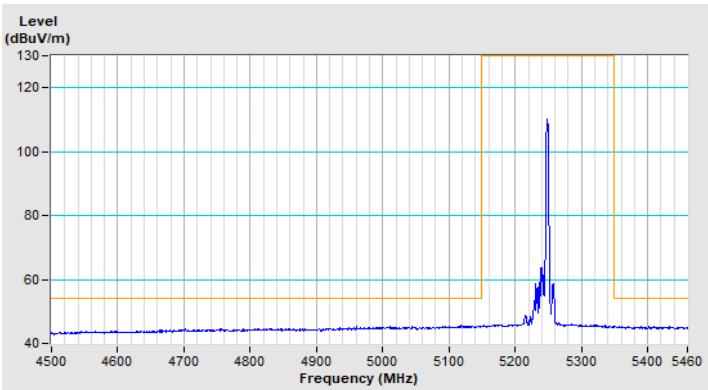
Horizontal (Peak)



Horizontal (Average)

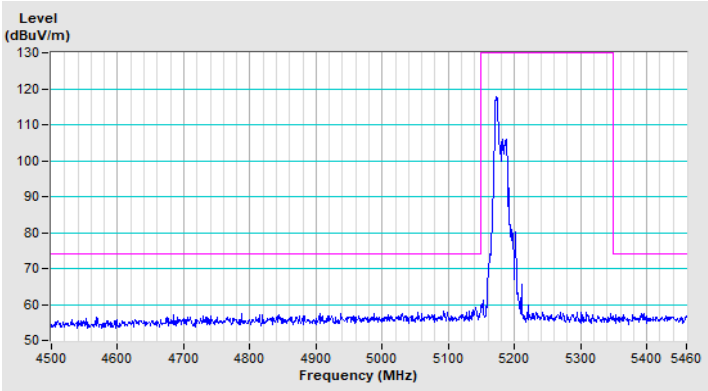


Vertical (Peak)

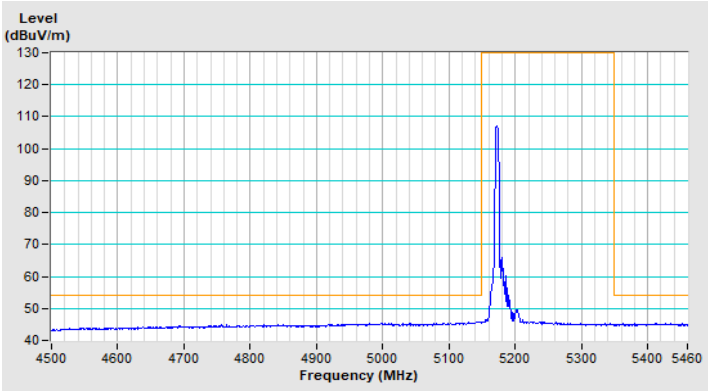


Vertical (Average)

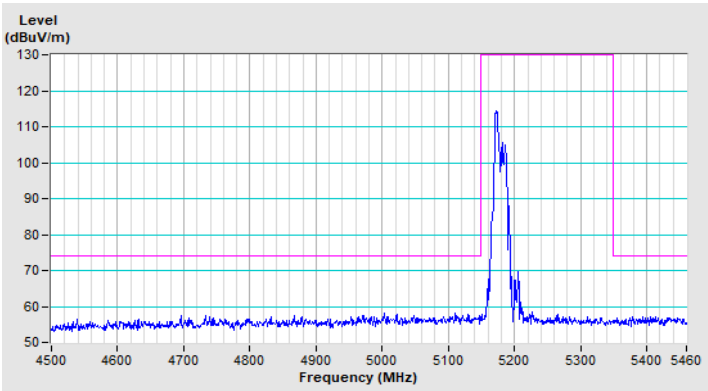
20 MHz Preamble 802.11ax (RU52) Channel 36



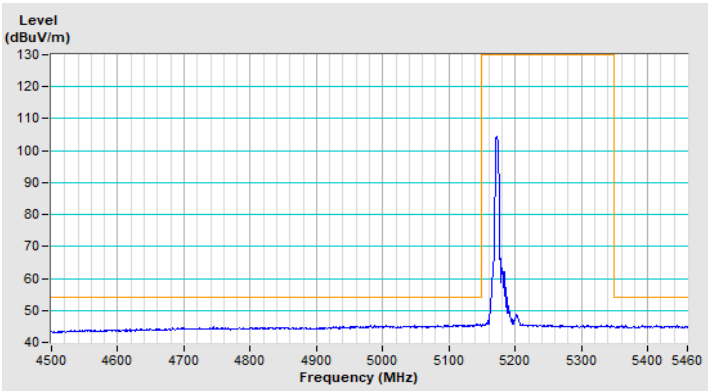
Horizontal (Peak)



Horizontal (Average)

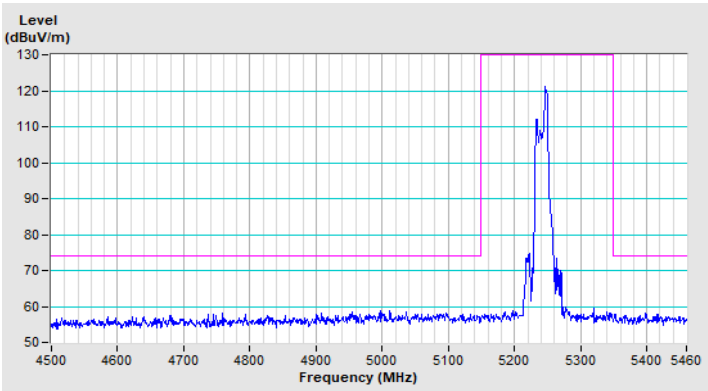


Vertical (Peak)

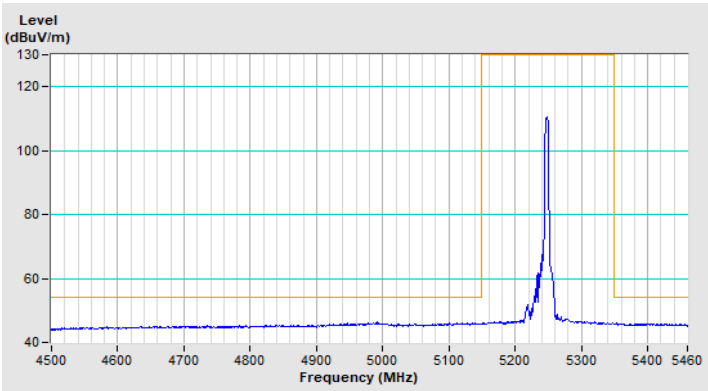


Vertical (Average)

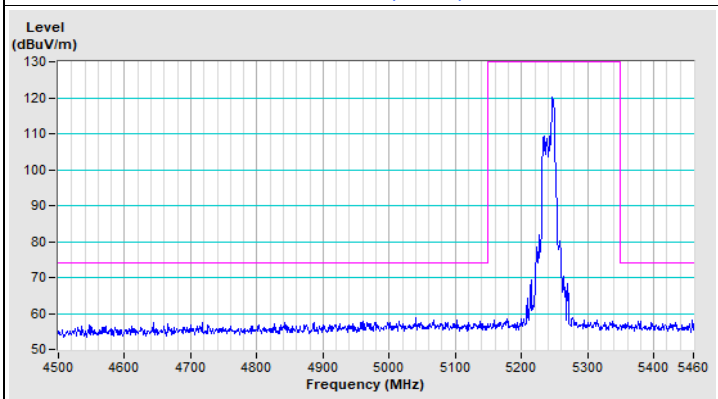
20 MHz Preamble 802.11ax (RU52) Channel 48



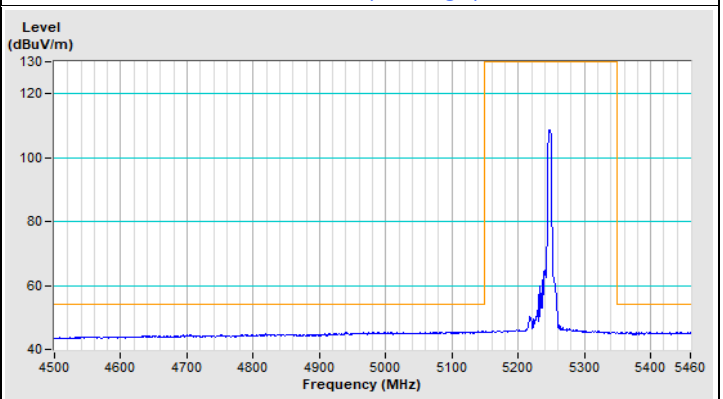
Horizontal (Peak)



Horizontal (Average)

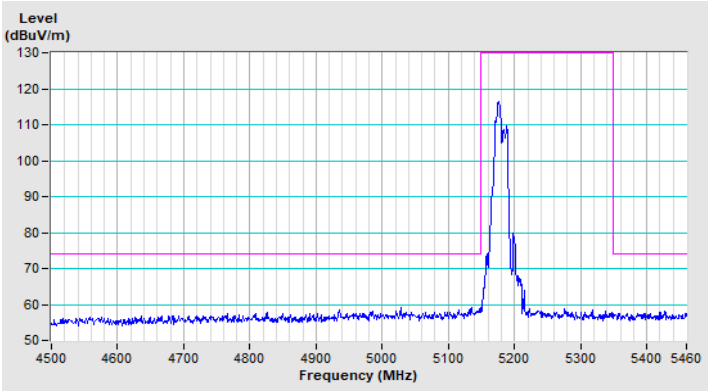


Vertical (Peak)

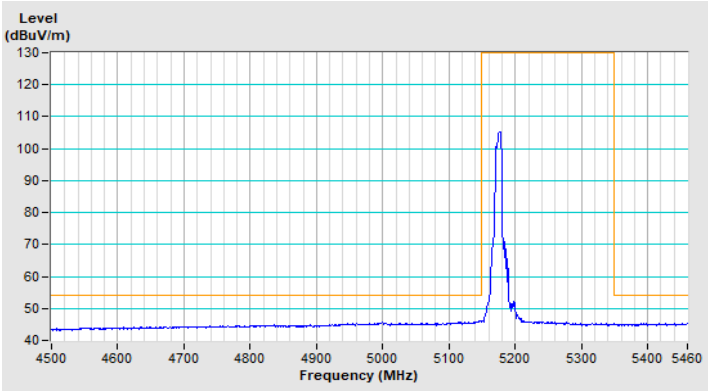


Vertical (Average)

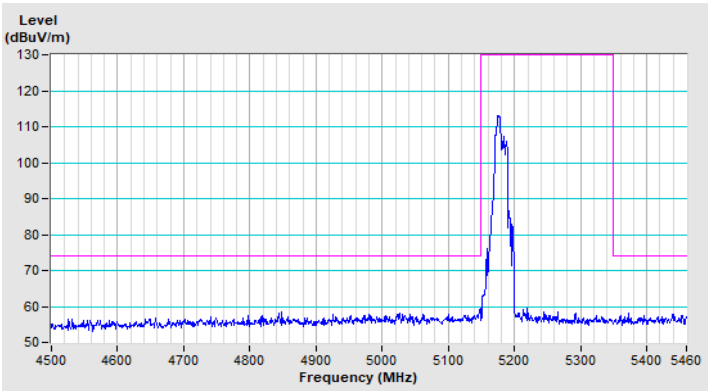
20 MHz Preamble 802.11ax (RU106) Channel 36



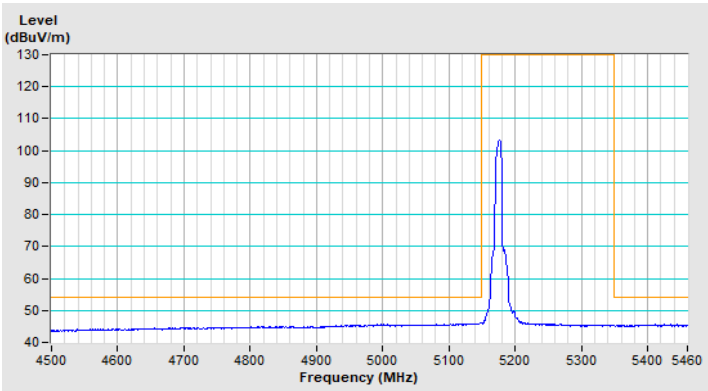
Horizontal (Peak)



Horizontal (Average)

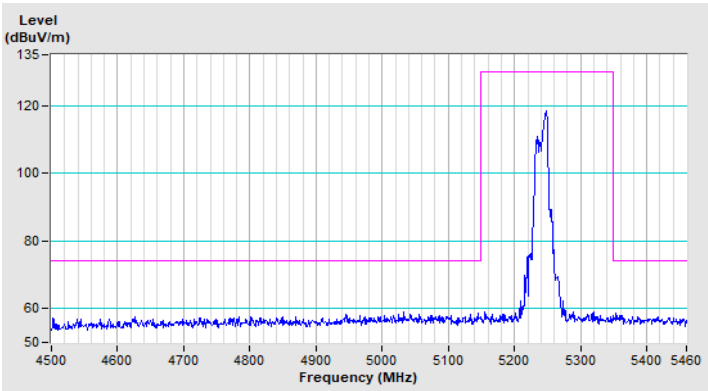


Vertical (Peak)

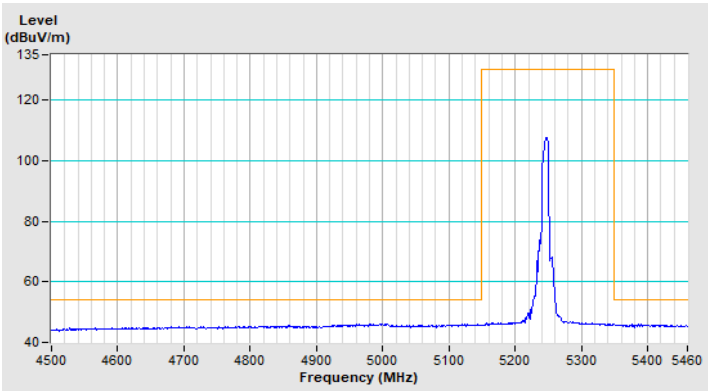


Vertical (Average)

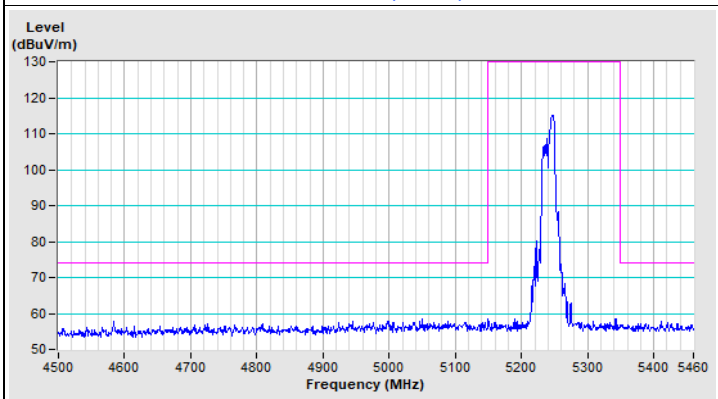
20 MHz Preamble 802.11ax (RU106) Channel 48



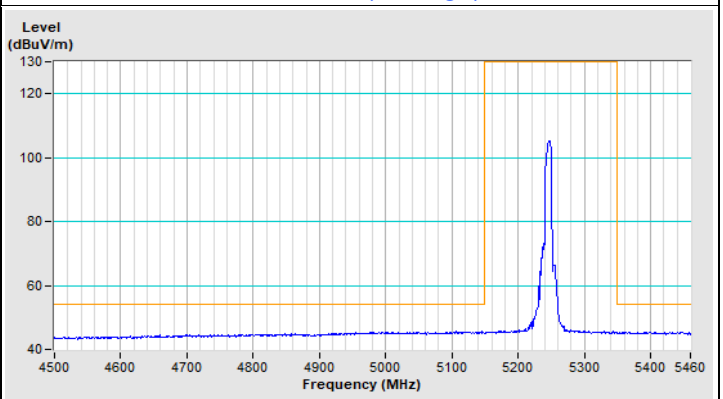
Horizontal (Peak)



Horizontal (Average)

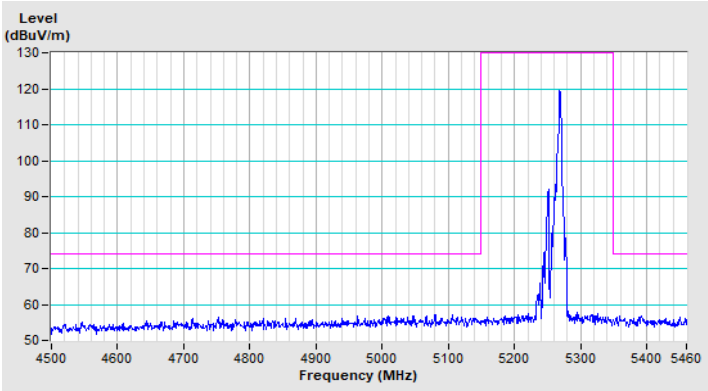


Vertical (Peak)

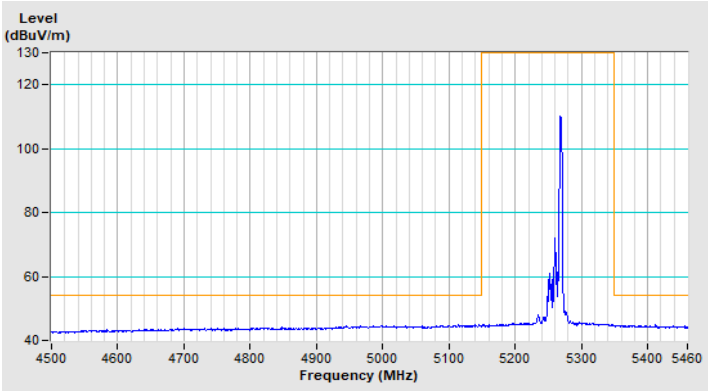


Vertical (Average)

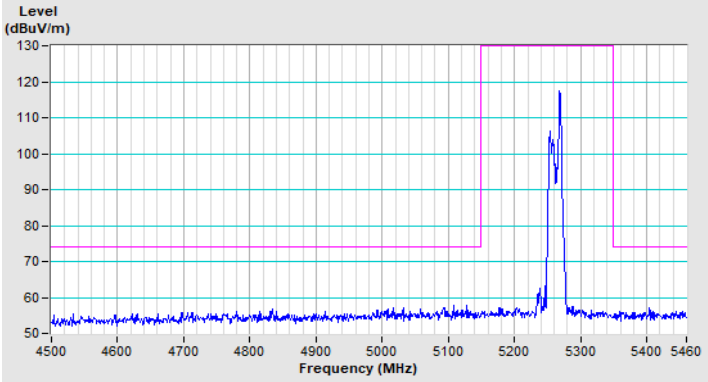
20 MHz Preamble 802.11ax (RU26) Channel 52



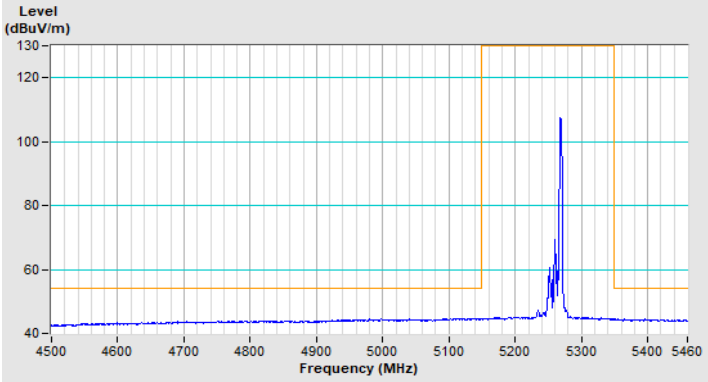
Horizontal (Peak)



Horizontal (Average)

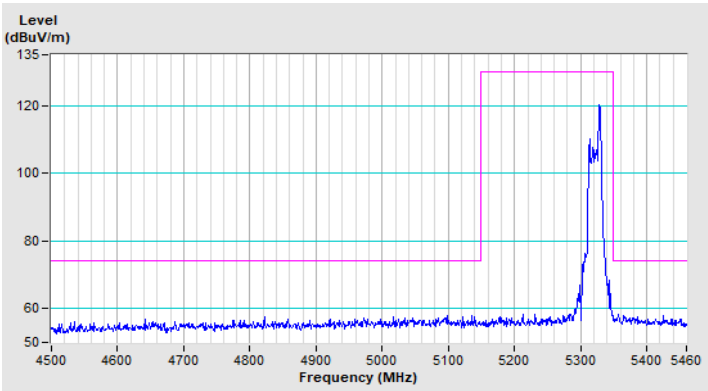


Vertical (Peak)

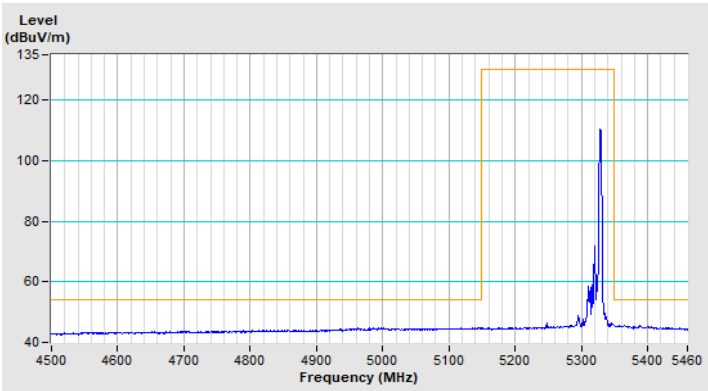


Vertical (Average)

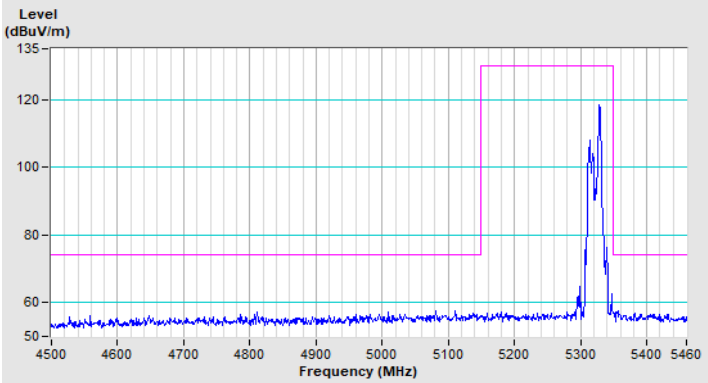
20 MHz Preamble 802.11ax (RU26) Channel 64



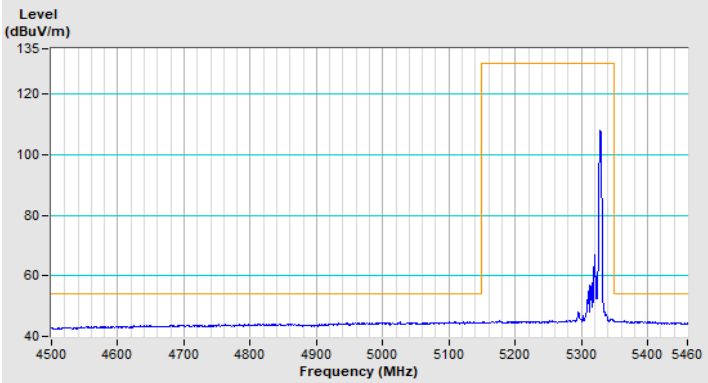
Horizontal (Peak)



Horizontal (Average)

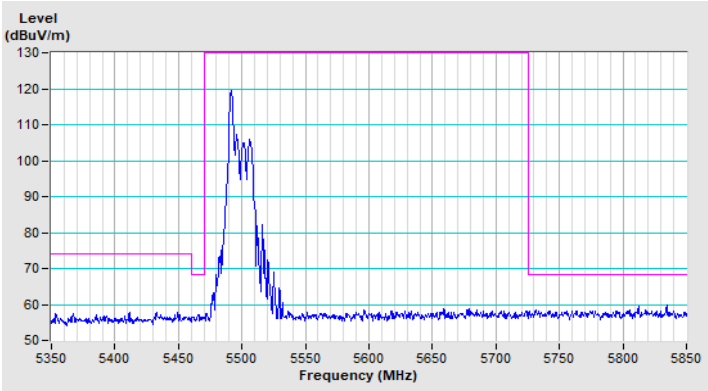


Vertical (Peak)

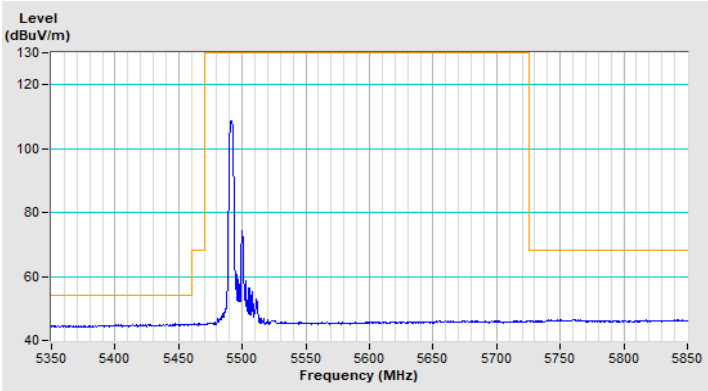


Vertical (Average)

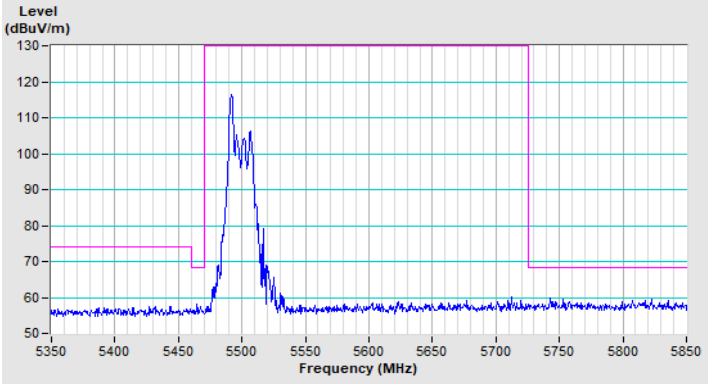
20 MHz Preamble 802.11ax (RU26) Channel 100



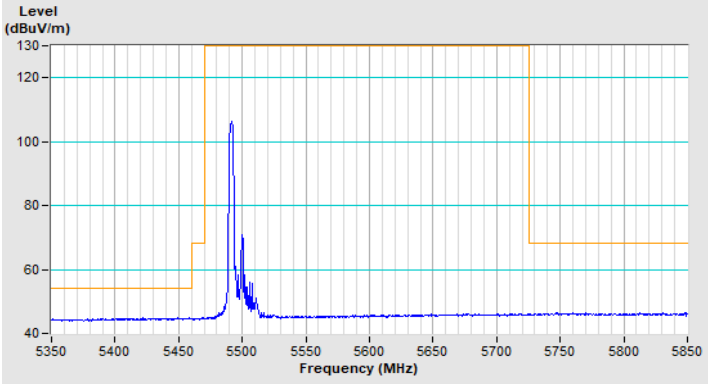
Horizontal (Peak)



Horizontal (Average)

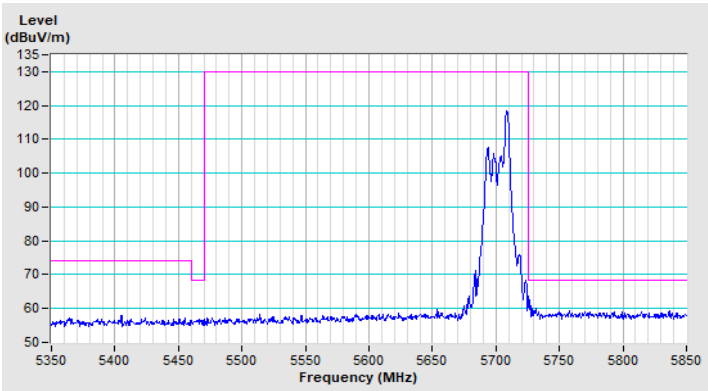


Vertical (Peak)

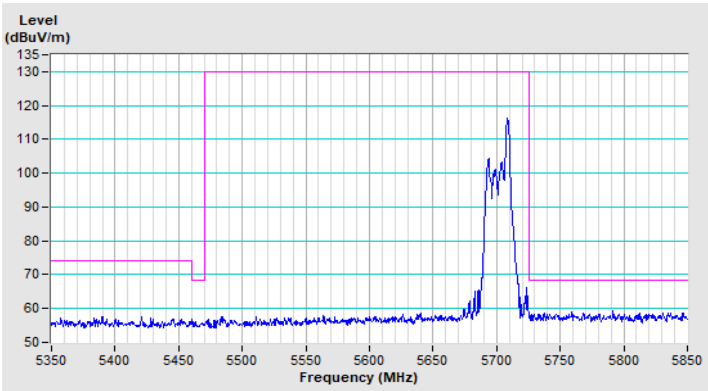


Vertical (Average)

20 MHz Preamble 802.11ax (RU26) Channel 140

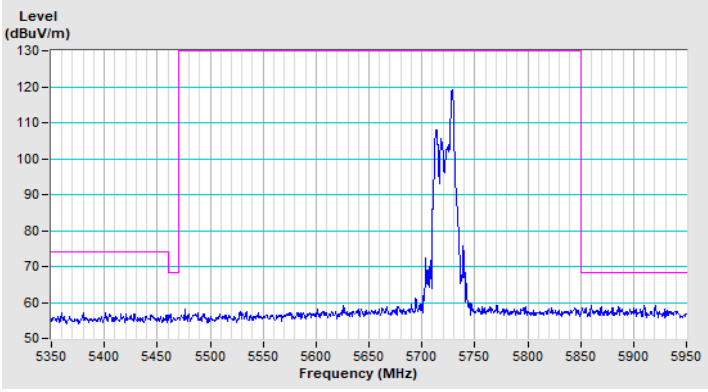


Horizontal (Peak)

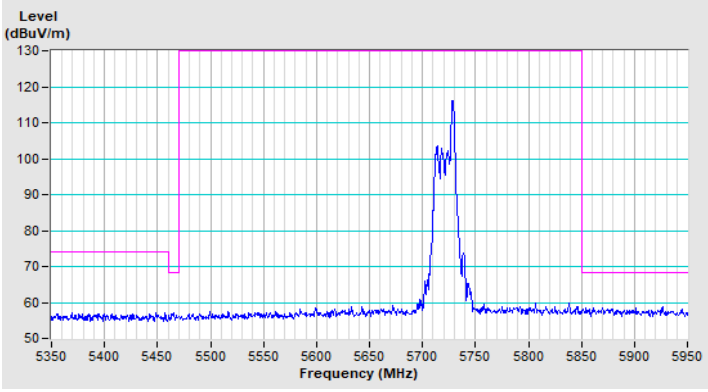


Vertical (Peak)

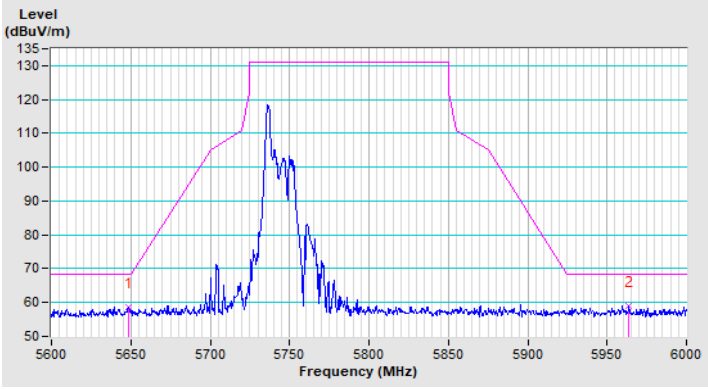
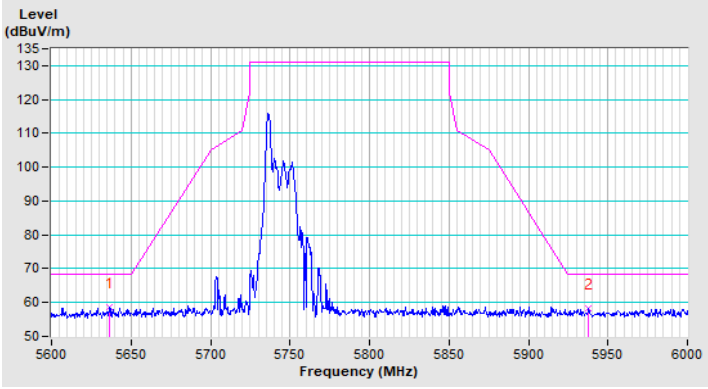
20 MHz Preamble 802.11ax (RU26) Channel 144

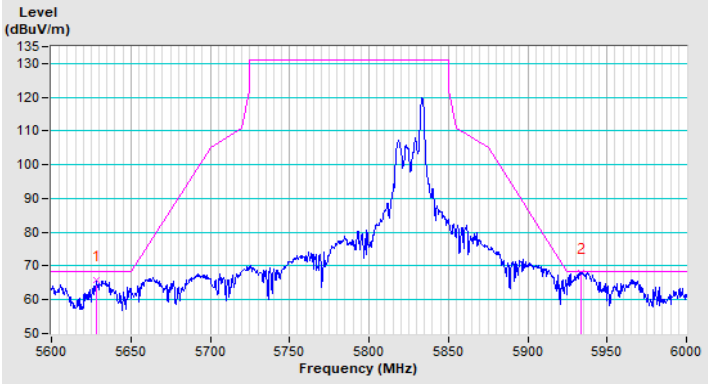
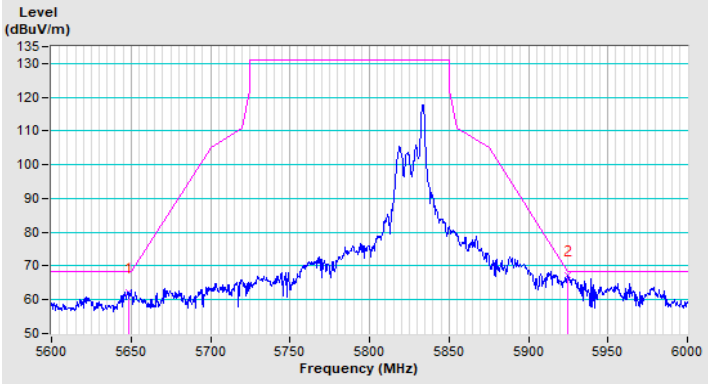


Horizontal (Peak)

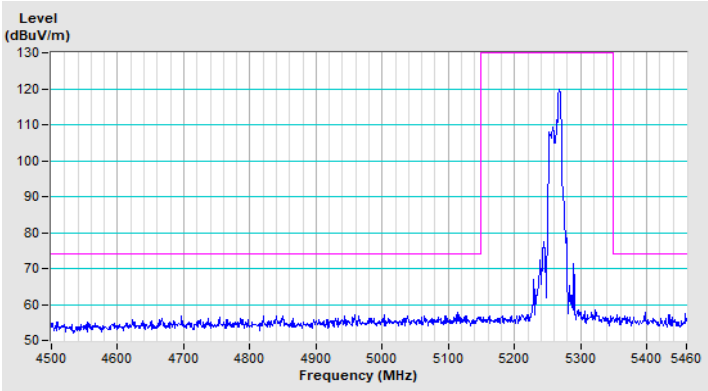


Vertical (Peak)

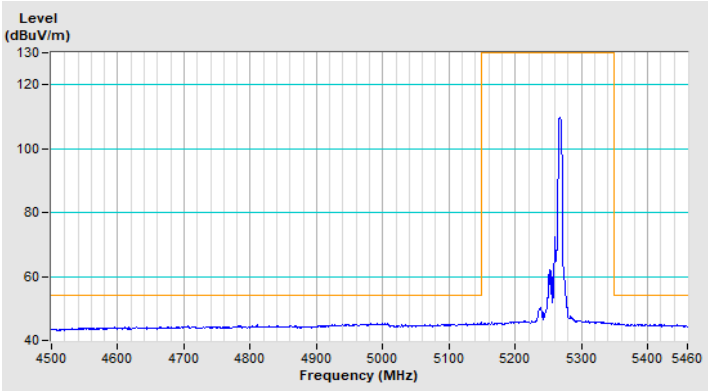
20 MHz Preamble 802.11ax (RU26) Channel 149	
	
Horizontal (Peak)	Vertical (Peak)

20 MHz Preamble 802.11ax (RU26) Channel 165	
	
Horizontal (Peak)	Vertical (Peak)

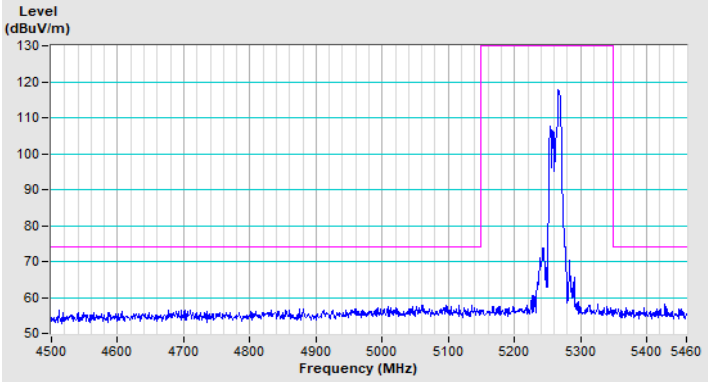
20 MHz Preamble 802.11ax (RU52) Channel 52



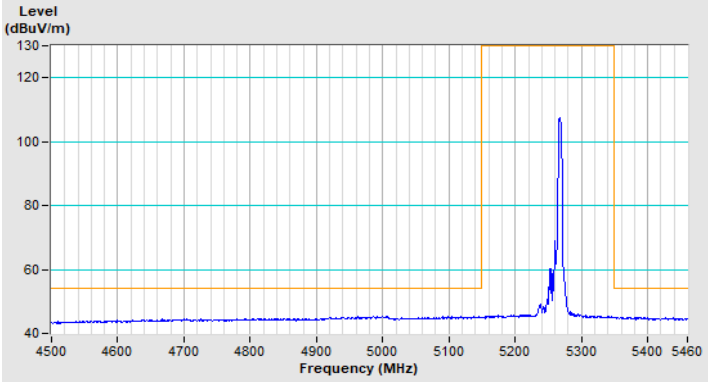
Horizontal (Peak)



Horizontal (Average)

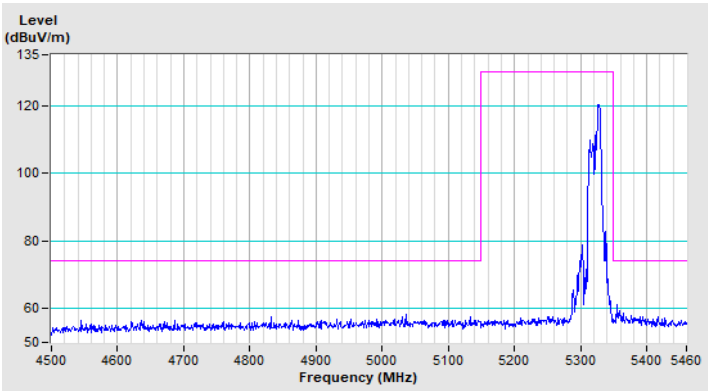


Vertical (Peak)

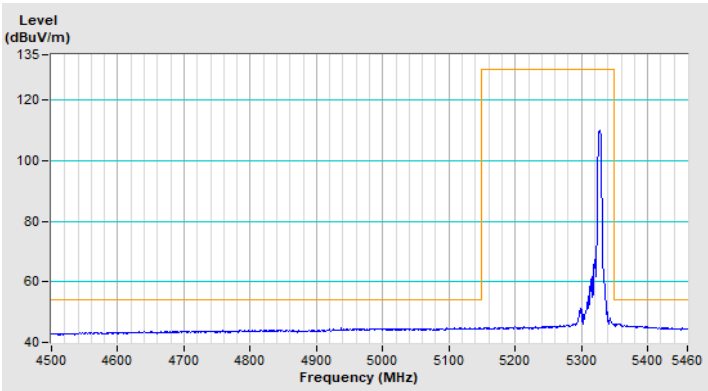


Vertical (Average)

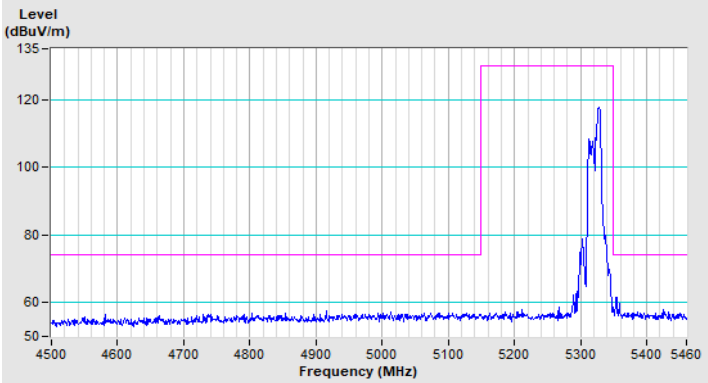
20 MHz Preamble 802.11ax (RU52) Channel 64



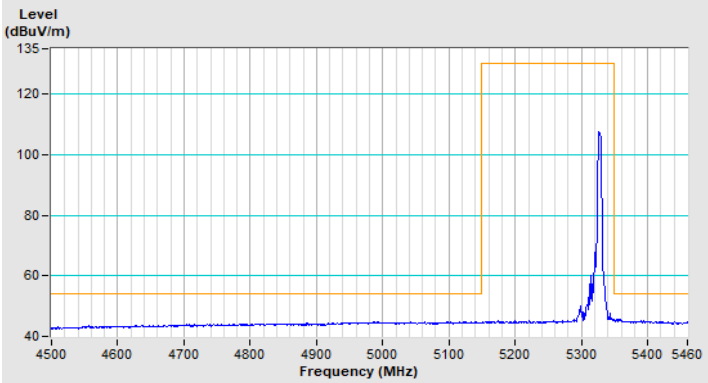
Horizontal (Peak)



Horizontal (Average)

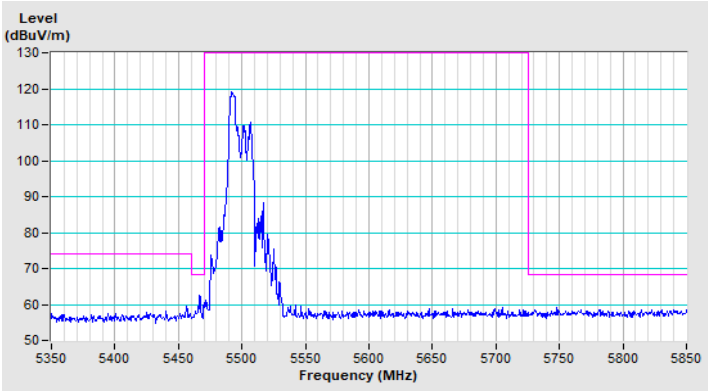


Vertical (Peak)

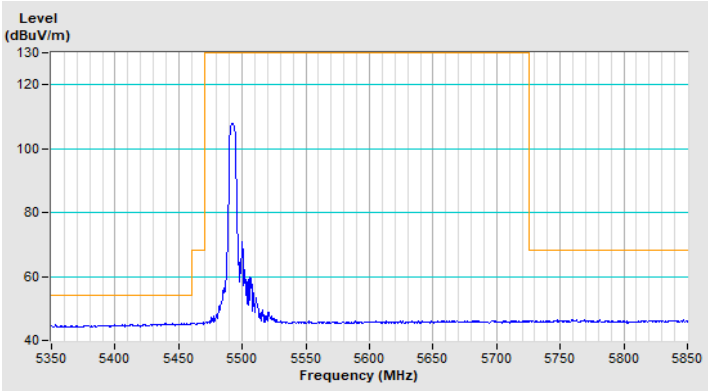


Vertical (Average)

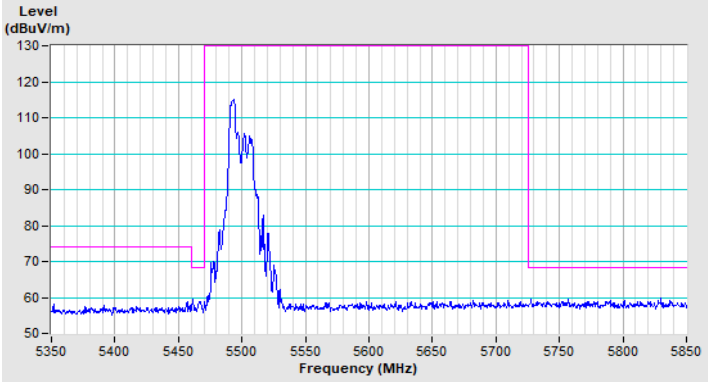
20 MHz Preamble 802.11ax (RU52) Channel 100



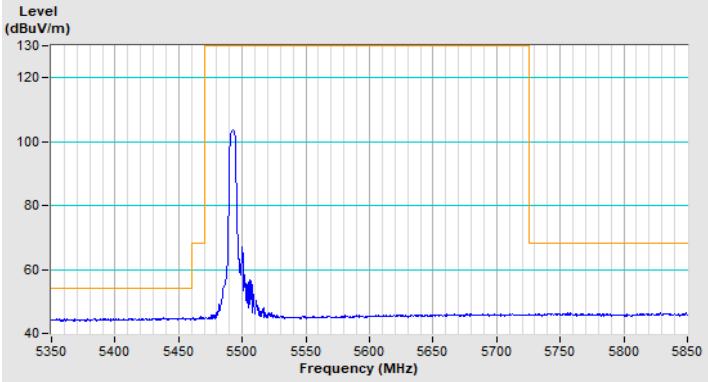
Horizontal (Peak)



Horizontal (Average)

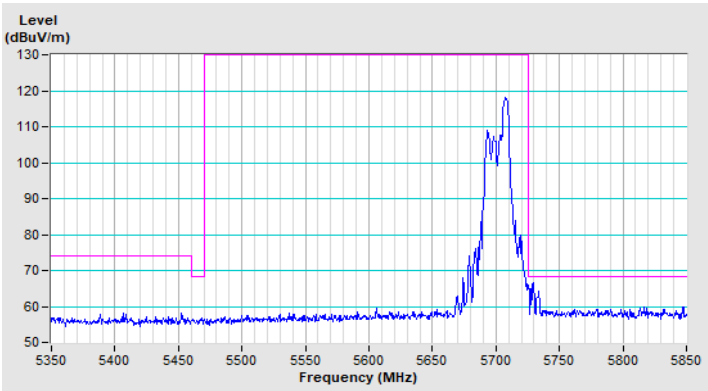


Vertical (Peak)

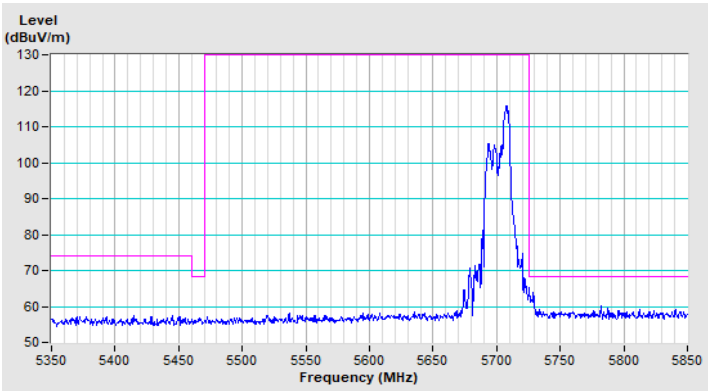


Vertical (Average)

20 MHz Preamble 802.11ax (RU52) Channel 140

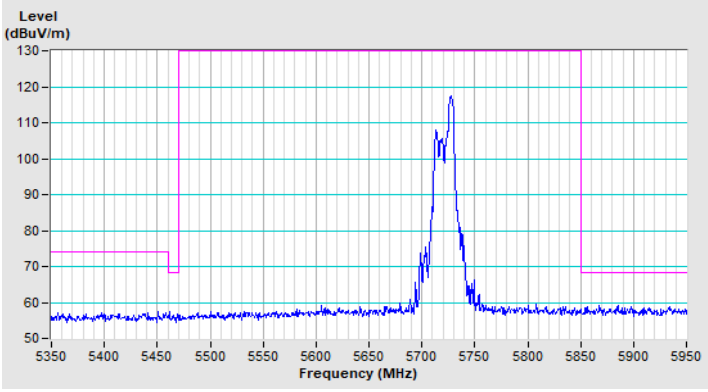


Horizontal (Peak)

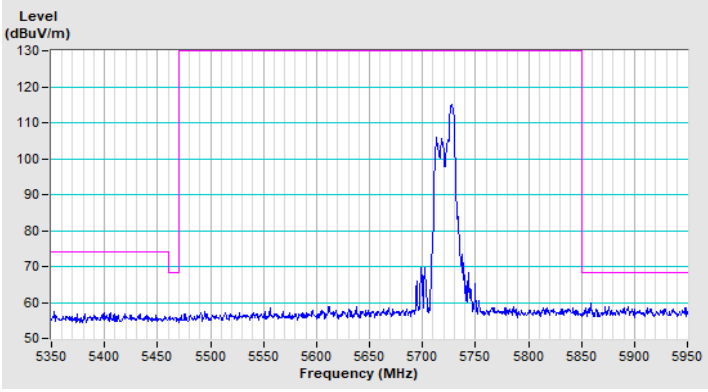


Vertical (Peak)

20 MHz Preamble 802.11ax (RU52) Channel 144

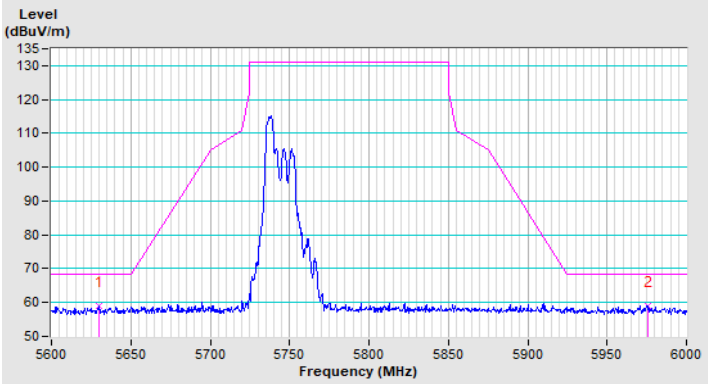


Horizontal (Peak)

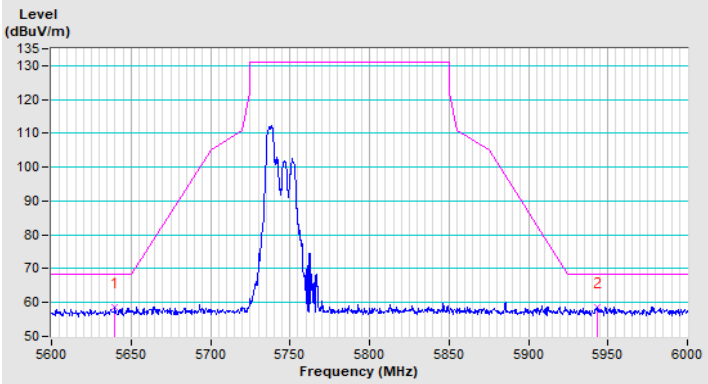


Vertical (Peak)

20 MHz Preamble 802.11ax (RU52) Channel 149

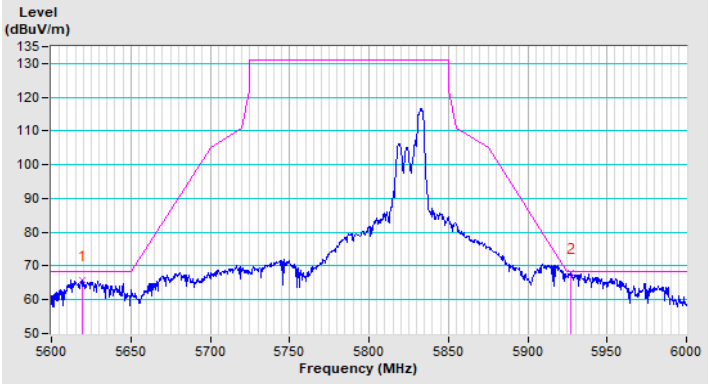


Horizontal (Peak)

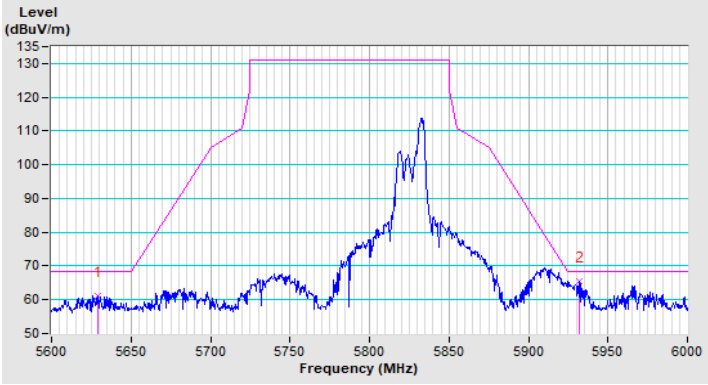


Vertical (Peak)

20 MHz Preamble 802.11ax (RU52) Channel 165

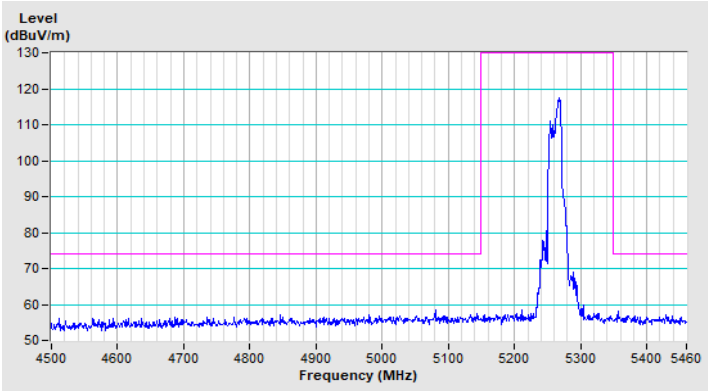


Horizontal (Peak)

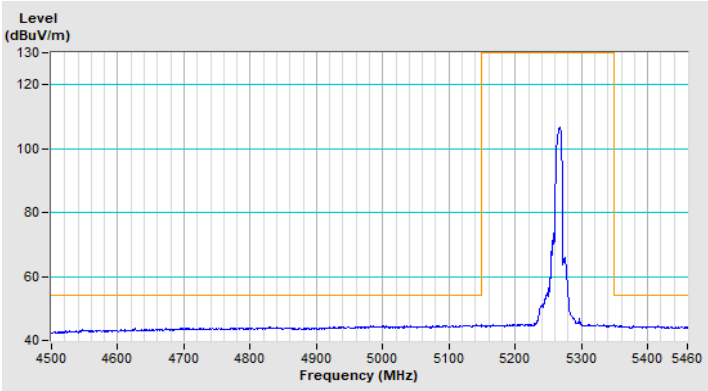


Vertical (Peak)

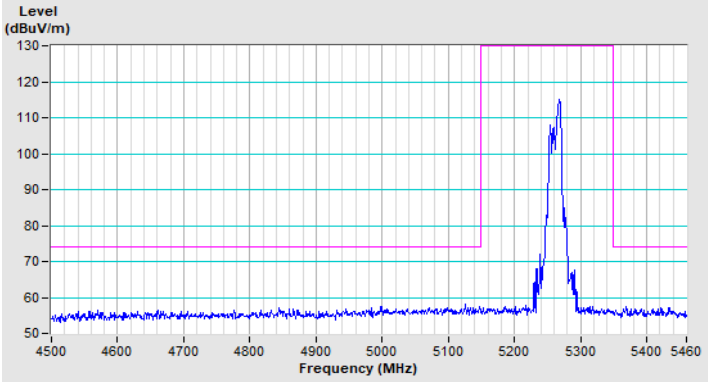
20 MHz Preamble 802.11ax (RU106) Channel 52



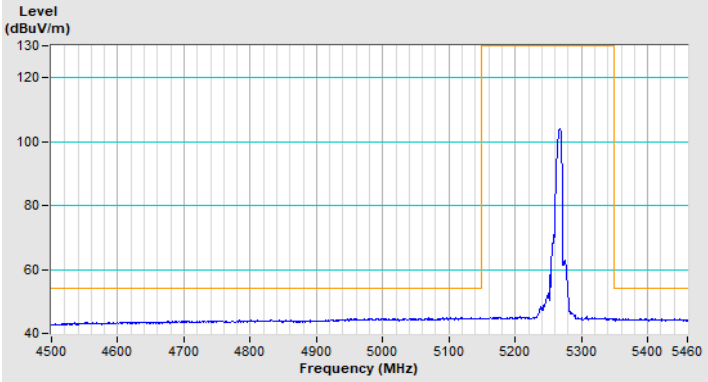
Horizontal (Peak)



Horizontal (Average)

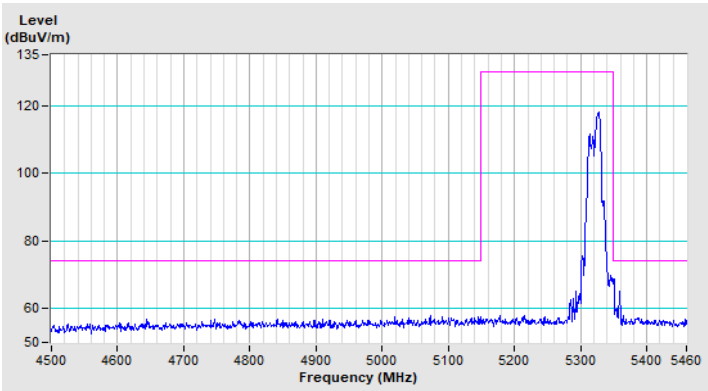


Vertical (Peak)

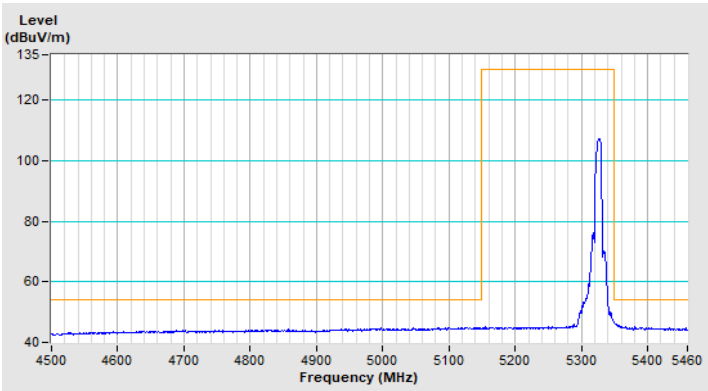


Vertical (Average)

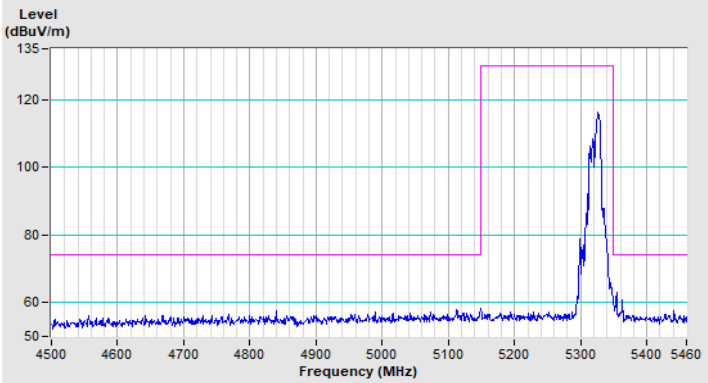
20 MHz Preamble 802.11ax (RU106) Channel 64



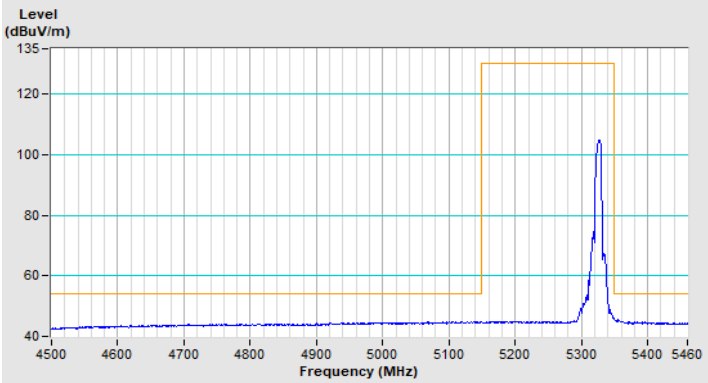
Horizontal (Peak)



Horizontal (Average)

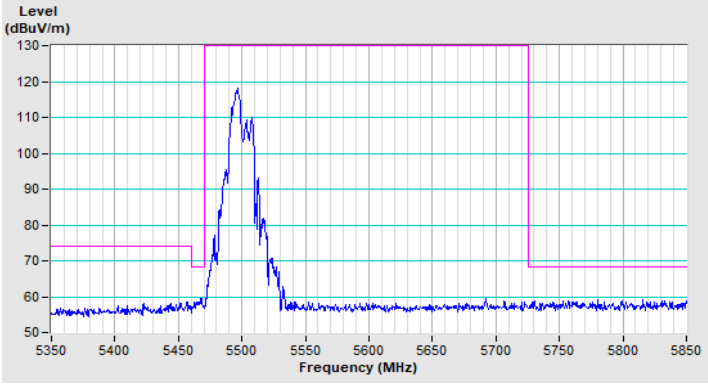


Vertical (Peak)

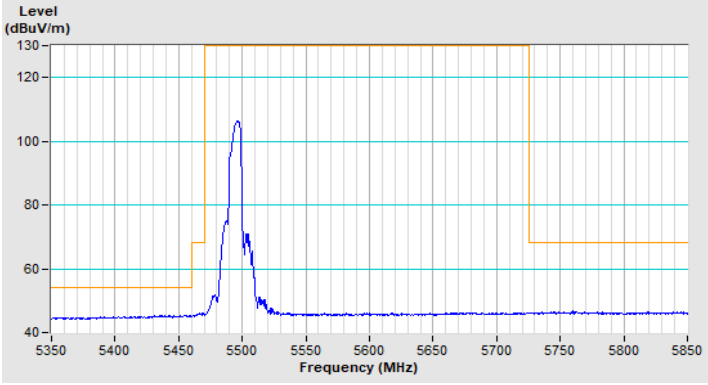


Vertical (Average)

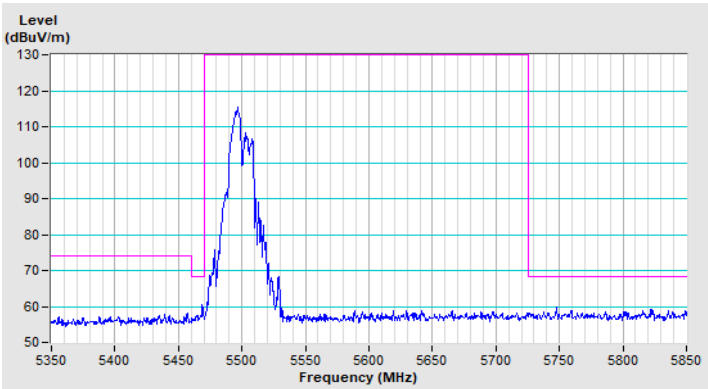
20 MHz Preamble 802.11ax (RU106) Channel 100



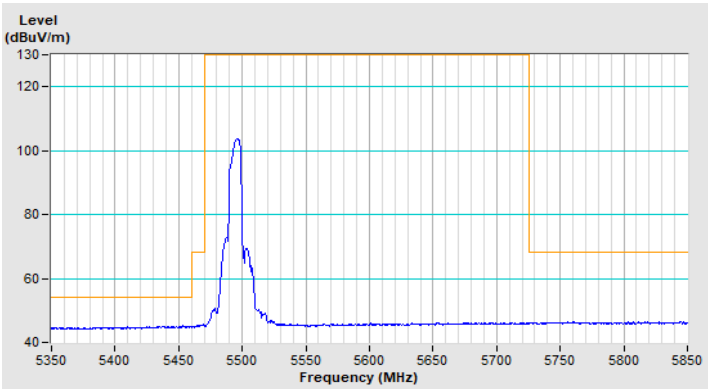
Horizontal (Peak)



Horizontal (Average)

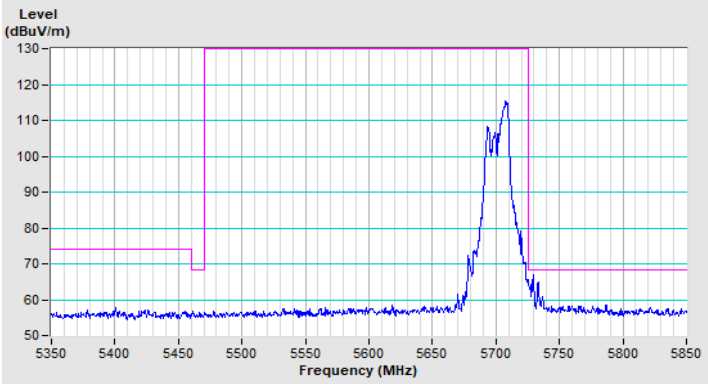


Vertical (Peak)

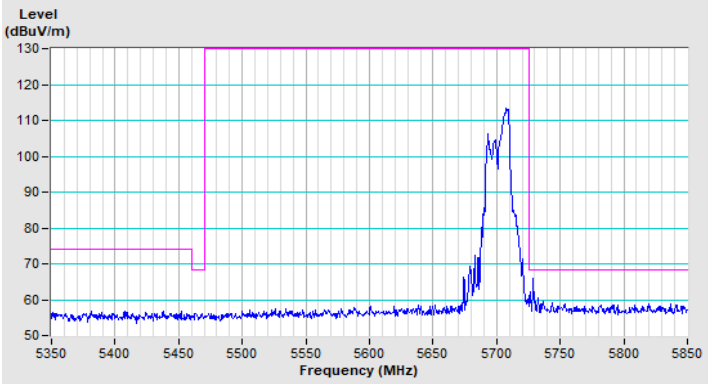


Vertical (Average)

20 MHz Preamble 802.11ax (RU106) Channel 140

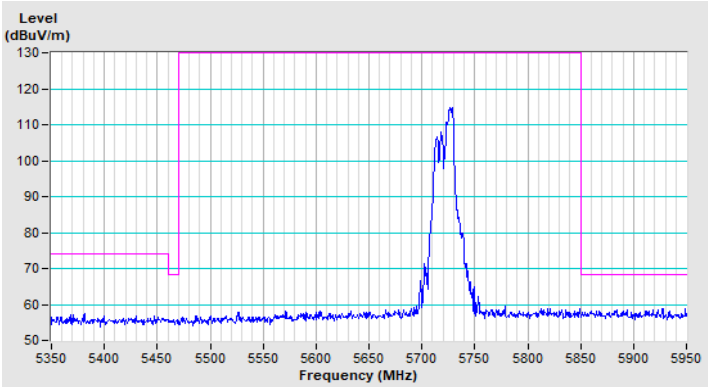


Horizontal (Peak)

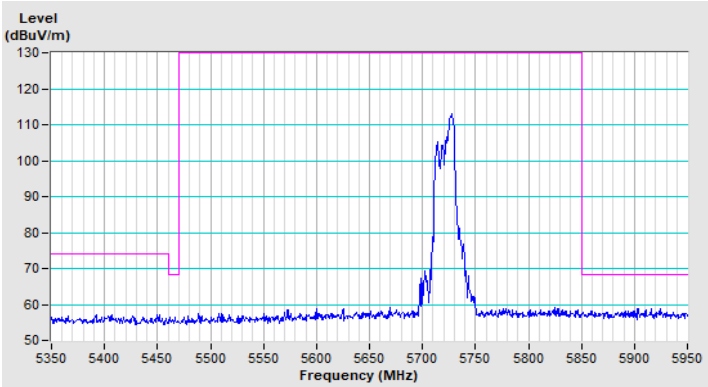


Vertical (Peak)

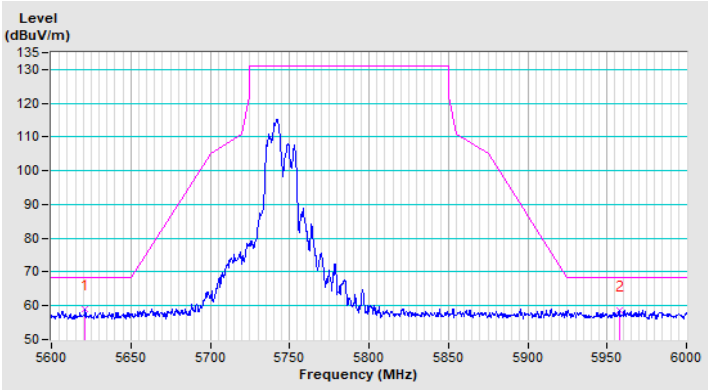
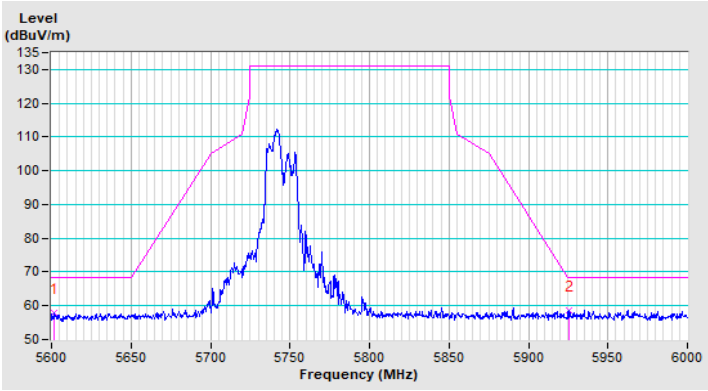
20 MHz Preamble 802.11ax (RU106) Channel 144

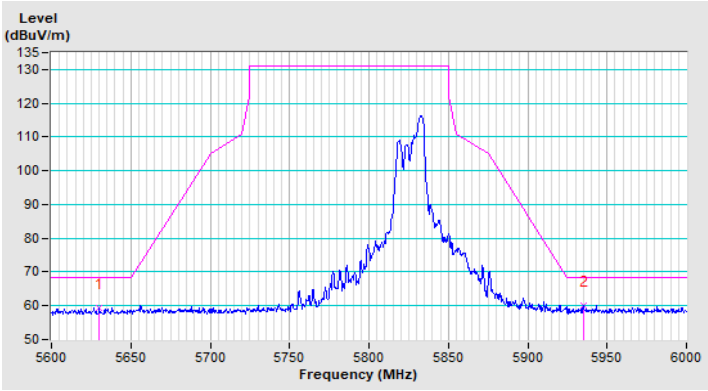
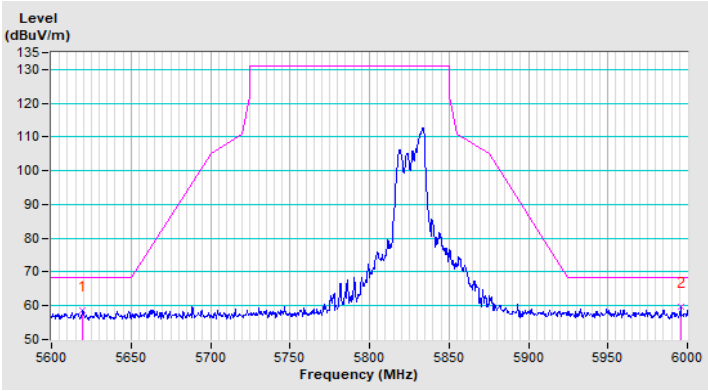


Horizontal (Peak)

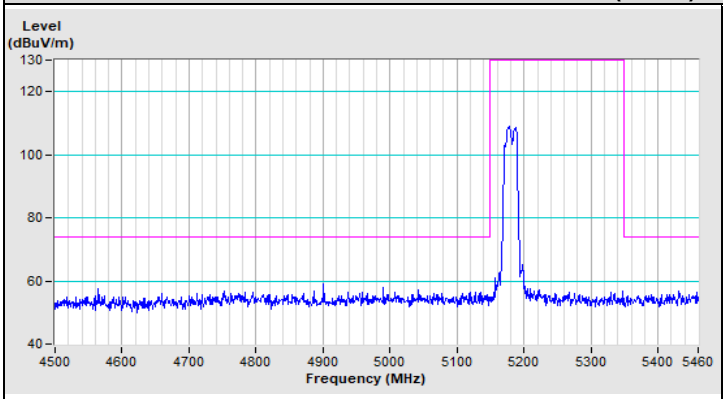


Vertical (Peak)

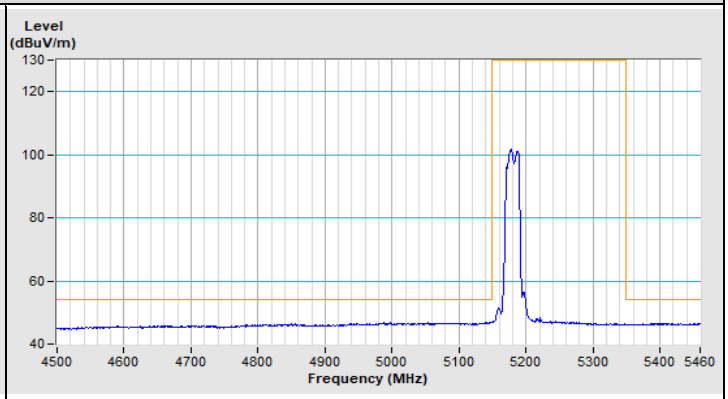
20 MHz Preamble 802.11ax (RU106) Channel 149	
	
Horizontal (Peak)	Vertical (Peak)

20 MHz Preamble 802.11ax (RU106) Channel 165	
	
Horizontal (Peak)	Vertical (Peak)

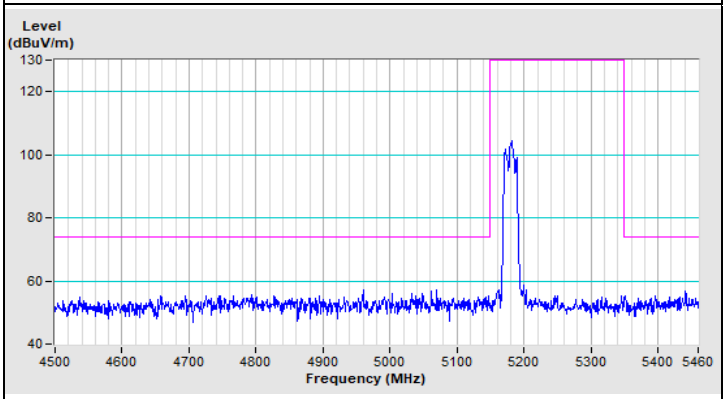
802.11ax (HE20) Full RU Channel 36



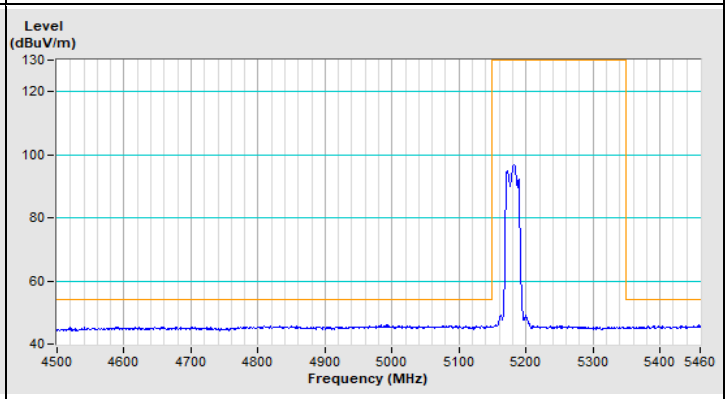
Horizontal (Peak)



Horizontal (Average)

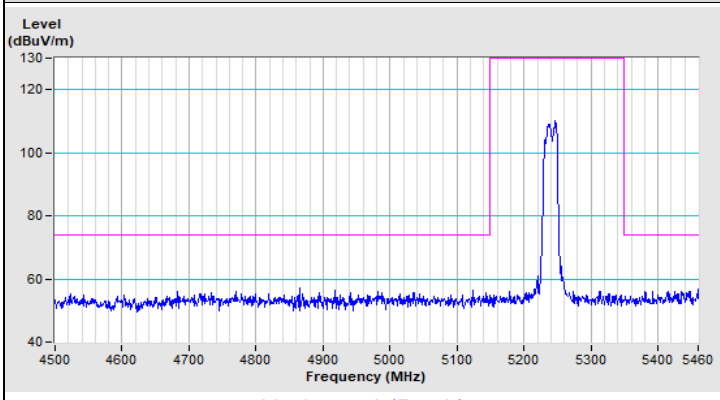


Vertical (Peak)

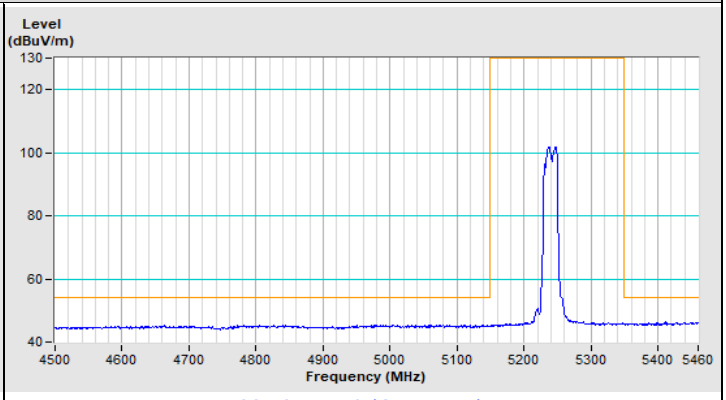


Vertical (Average)

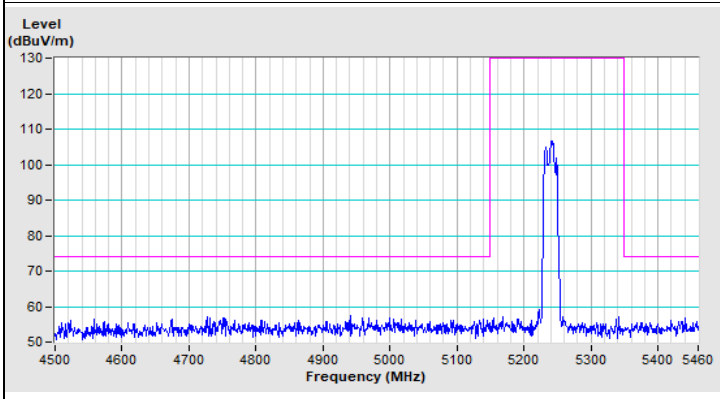
802.11ax (HE20) Full RU Channel 48



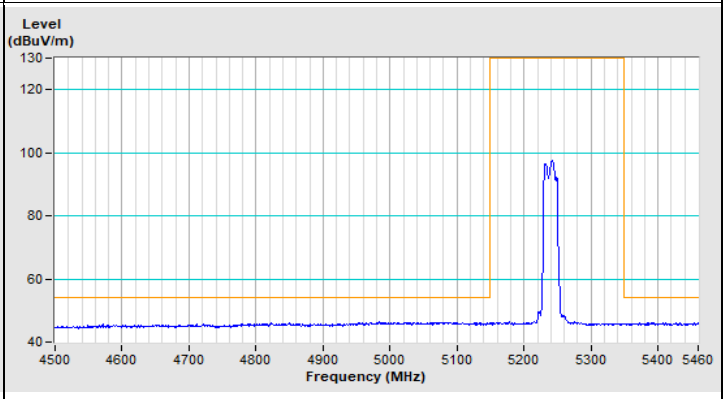
Horizontal (Peak)



Horizontal (Average)

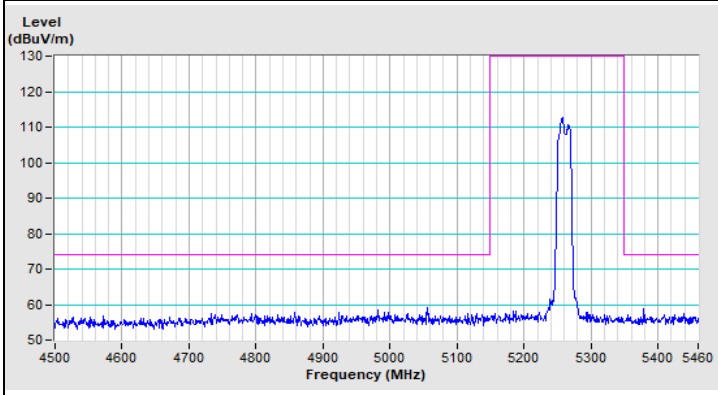


Vertical (Peak)

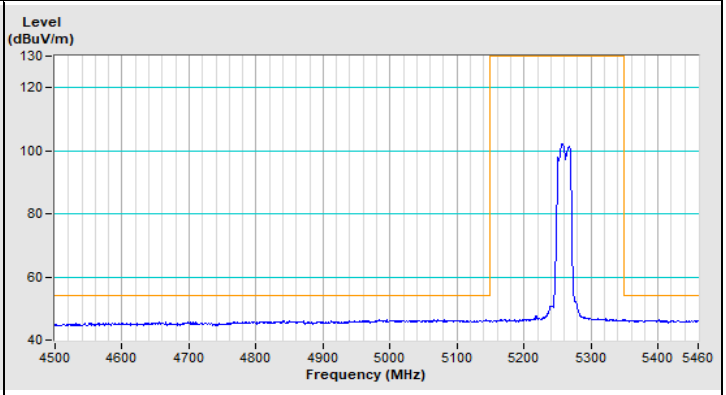


Vertical (Average)

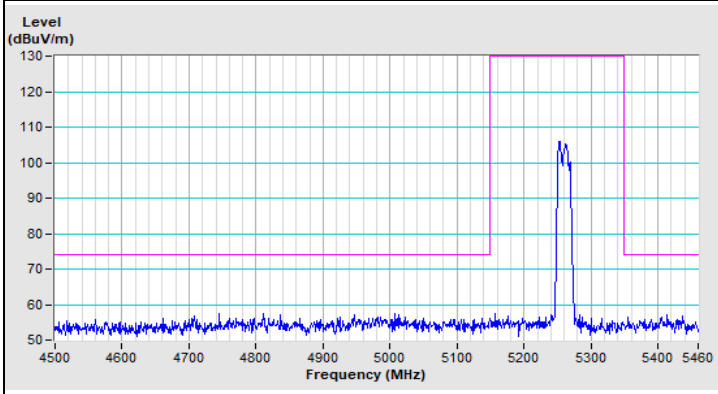
802.11ax (HE20) Full RU Channel 52



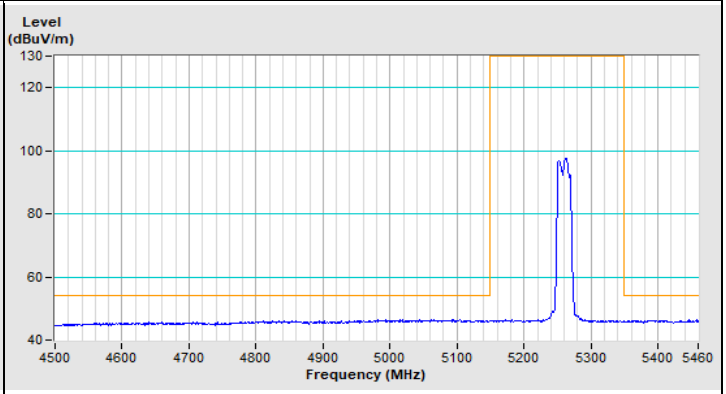
Horizontal (Peak)



Horizontal (Average)

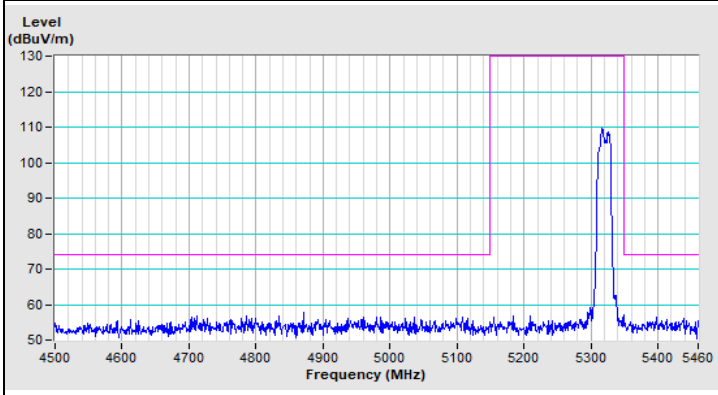


Vertical (Peak)

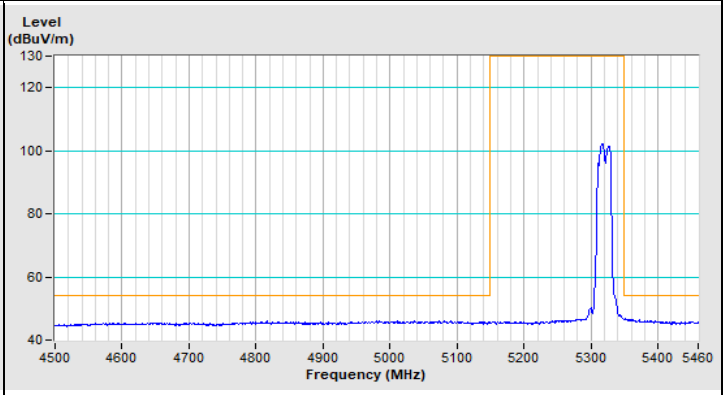


Vertical (Average)

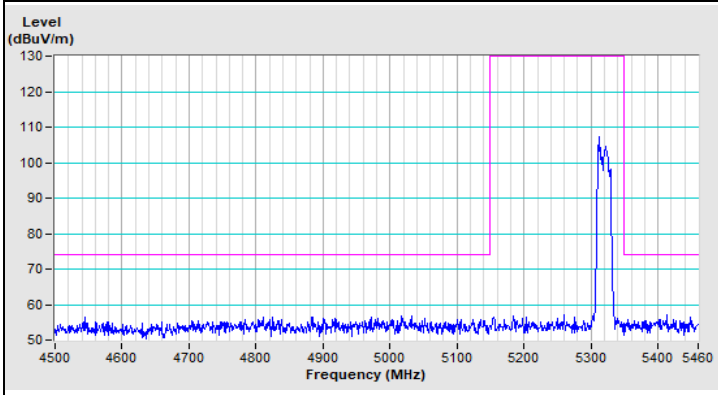
802.11ax (HE20) Full RU Channel 64



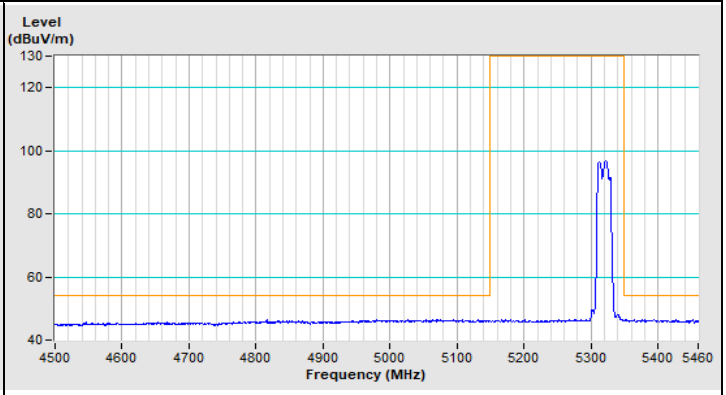
Horizontal (Peak)



Horizontal (Average)

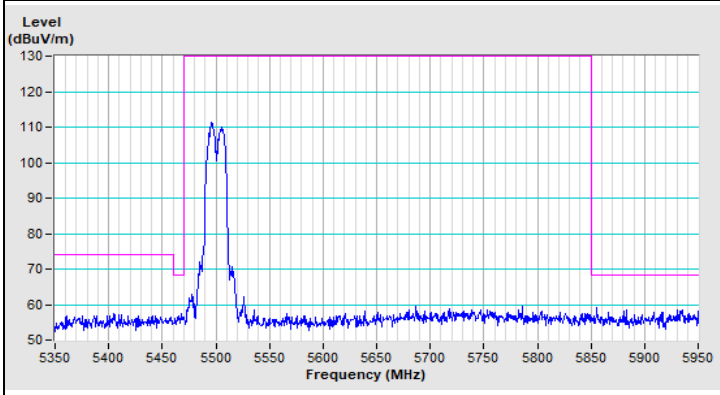


Vertical (Peak)

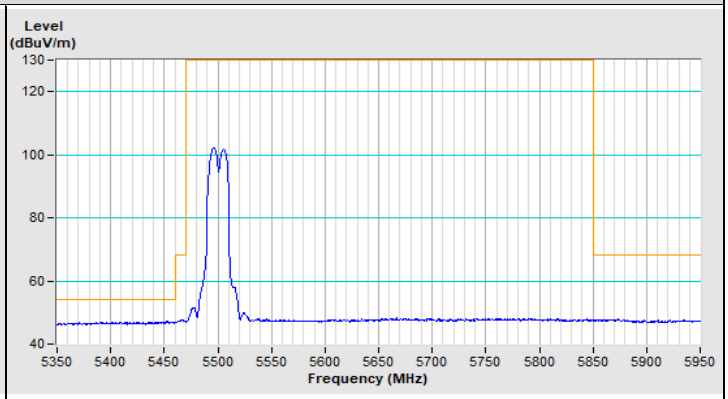


Vertical (Average)

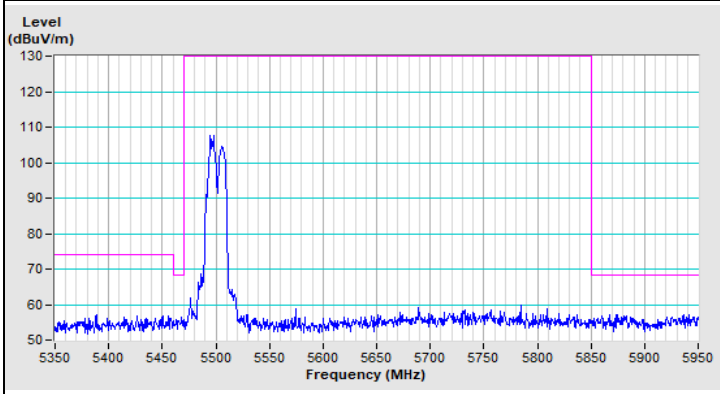
802.11ax (HE20) Full RU Channel 100



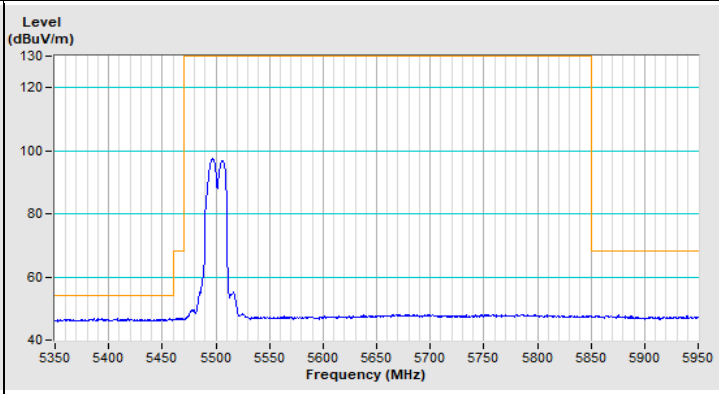
Horizontal (Peak)



Horizontal (Average)

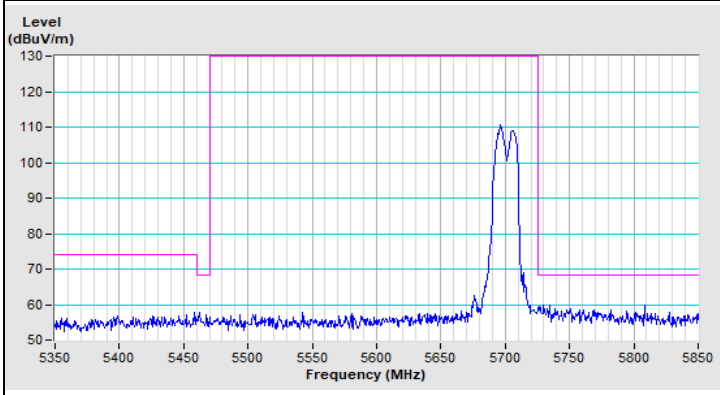


Vertical (Peak)

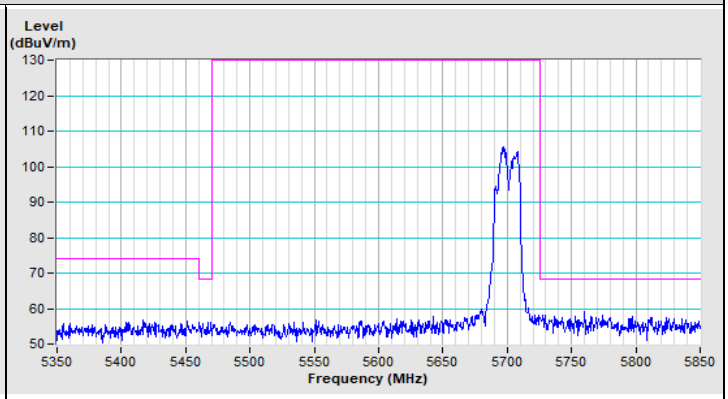


Vertical (Average)

802.11ax (HE20) Full RU Channel 140

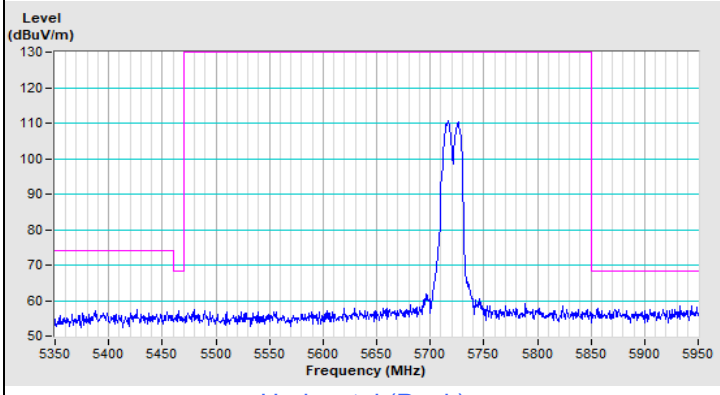


Horizontal (Peak)

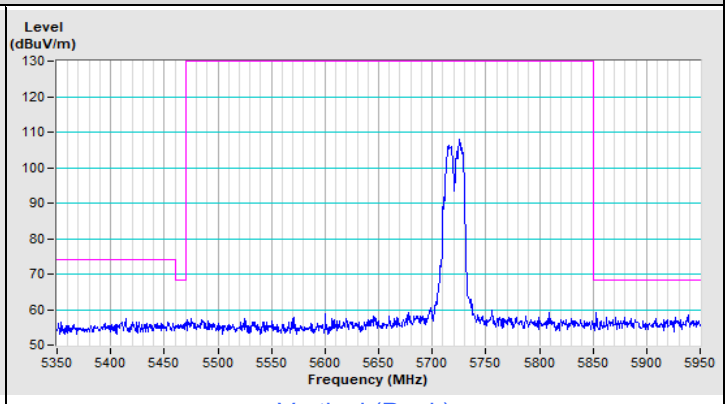


Vertical (Peak)

802.11ax (HE20) Full RU Channel 144

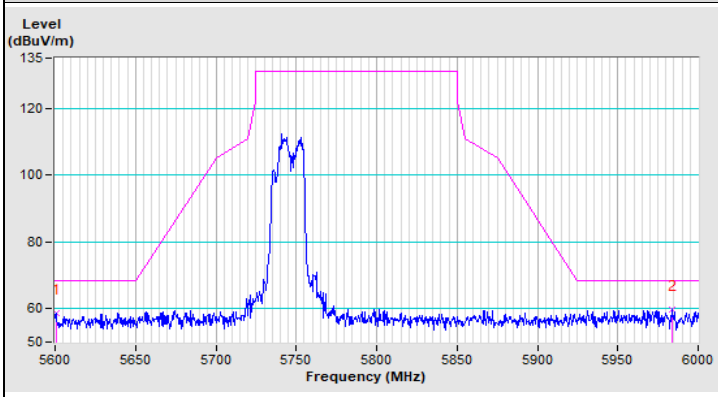


Horizontal (Peak)

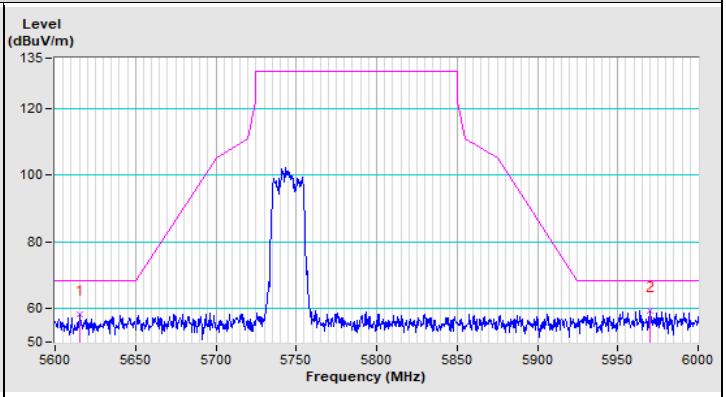


Vertical (Peak)

802.11ax (HE20) Full RU Channel 149

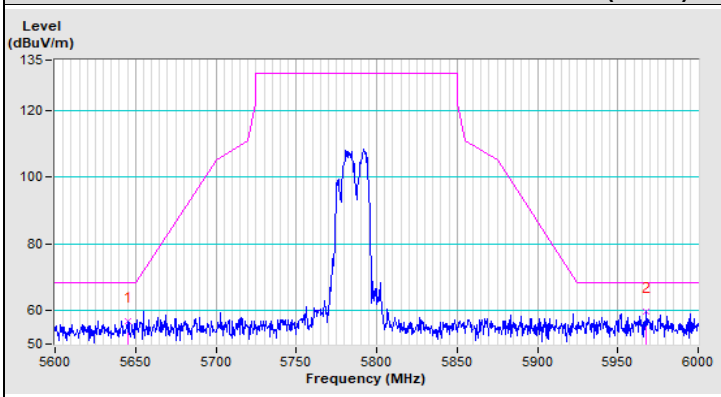


Horizontal (Peak)

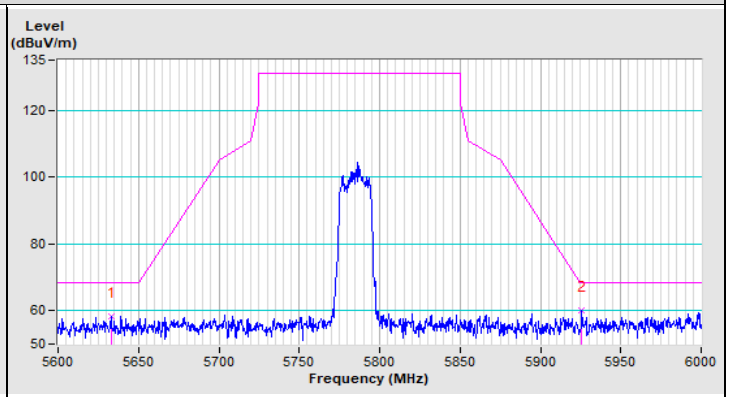


Vertical (Peak)

802.11ax (HE20) Full RU Channel 157

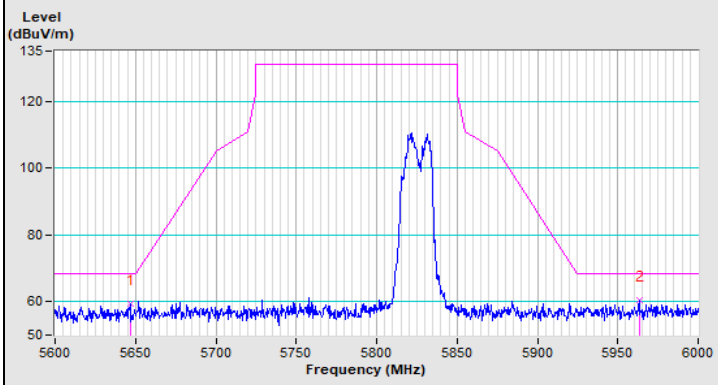


Horizontal (Peak)

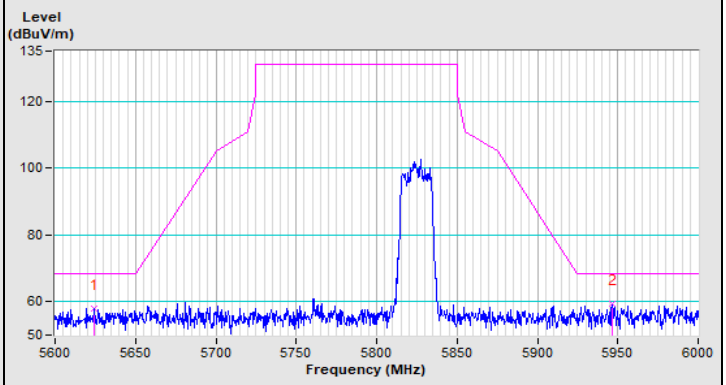


Vertical (Peak)

802.11ax (HE20) Full RU Channel 165

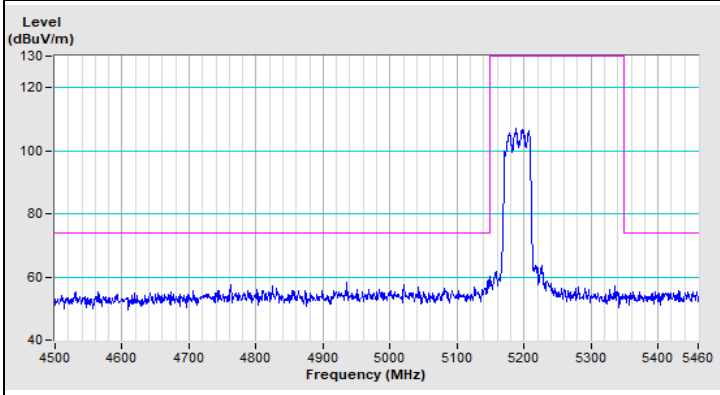


Horizontal (Peak)

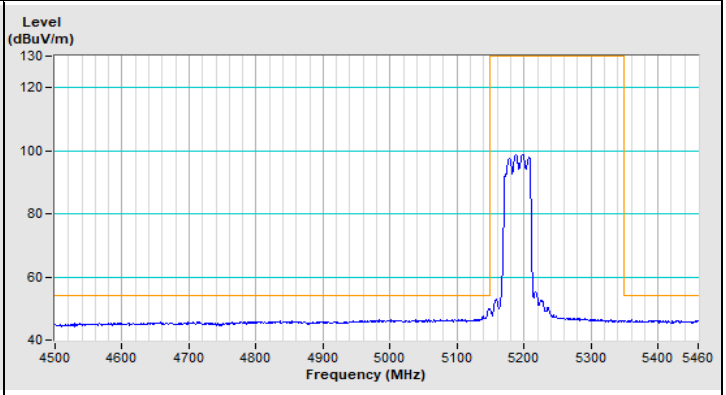


Vertical (Peak)

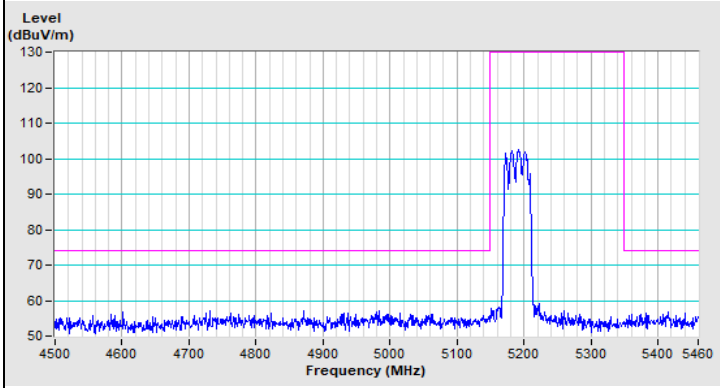
802.11ax (HE40) Full RU Channel 38



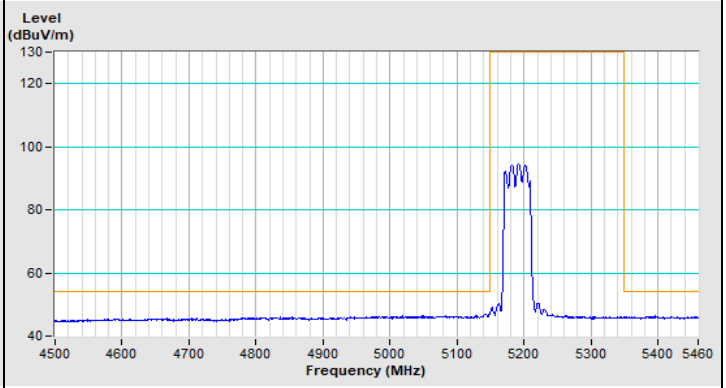
Horizontal (Peak)



Horizontal (Average)

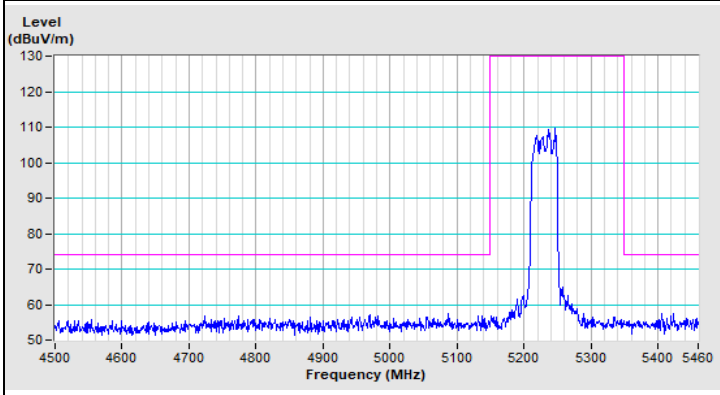


Vertical (Peak)

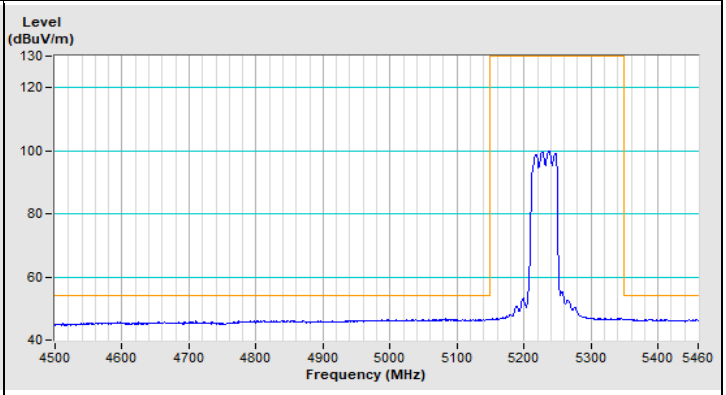


Vertical (Average)

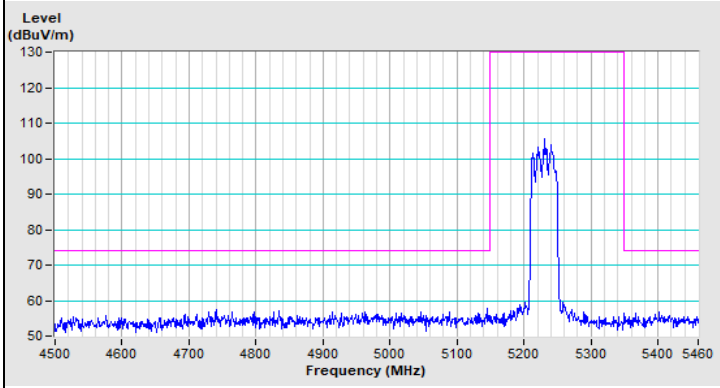
802.11ax (HE40) Full RU Channel 46



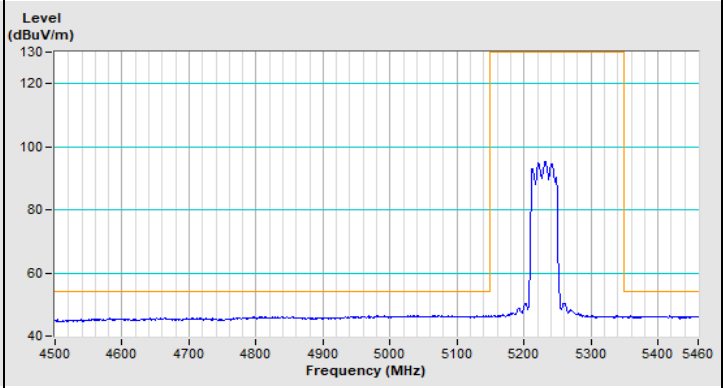
Horizontal (Peak)



Horizontal (Average)

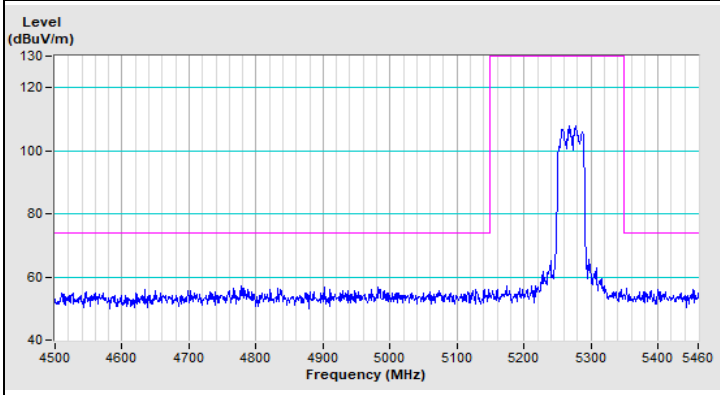


Vertical (Peak)

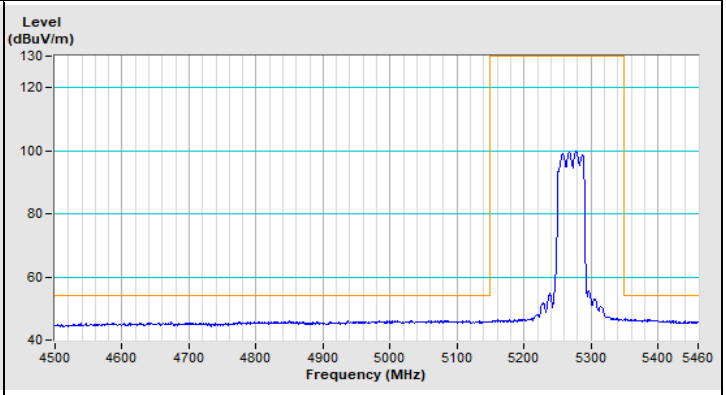


Vertical (Average)

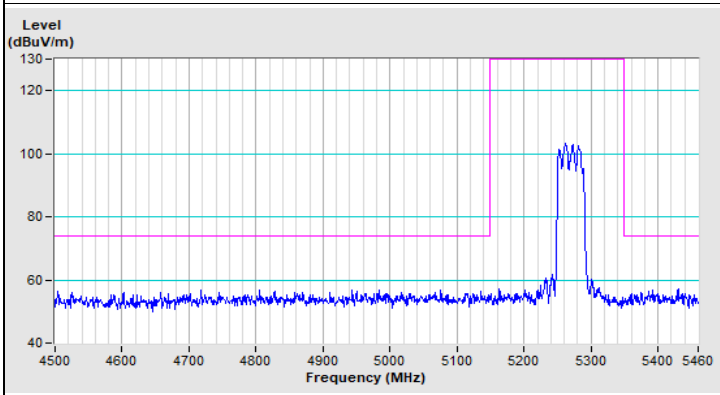
802.11ax (HE40) Full RU Channel 54



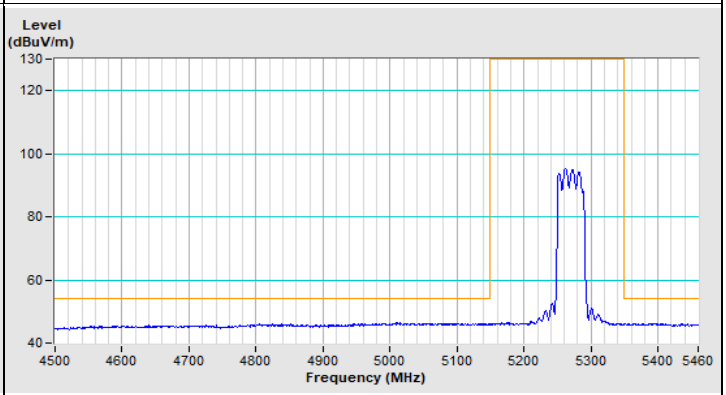
Horizontal (Peak)



Horizontal (Average)

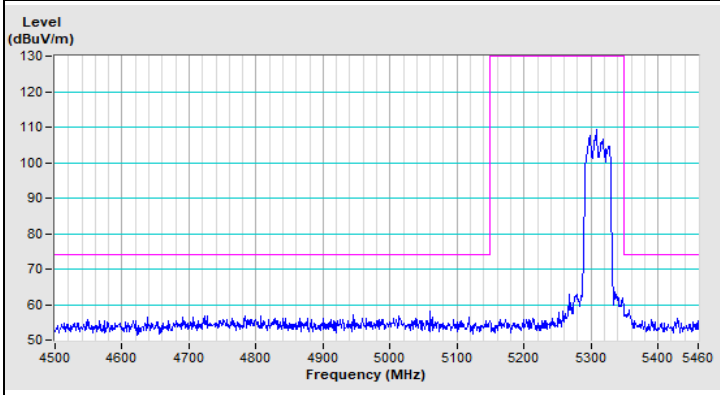


Vertical (Peak)

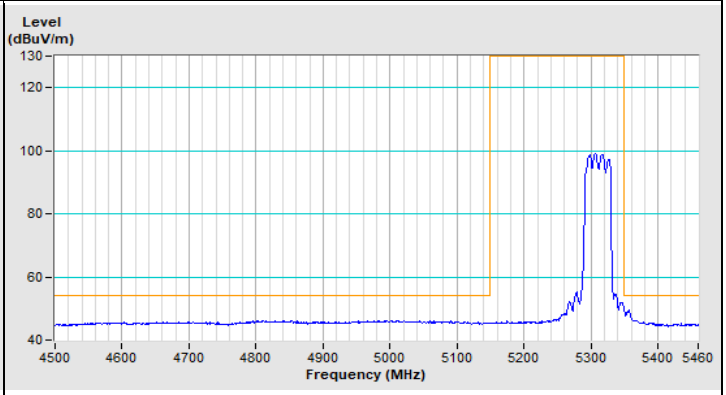


Vertical (Average)

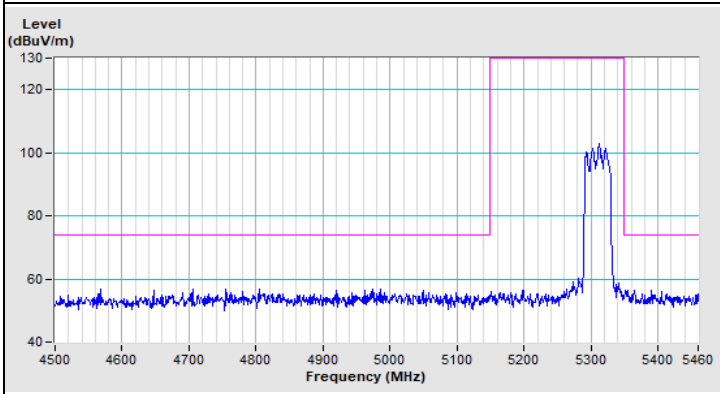
802.11ax (HE40) Full RU Channel 62



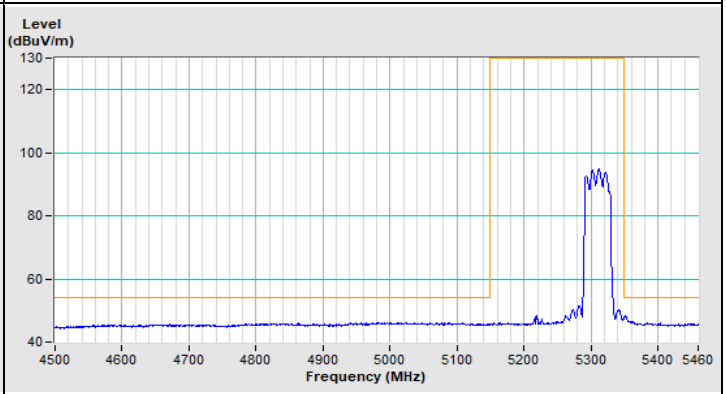
Horizontal (Peak)



Horizontal (Average)

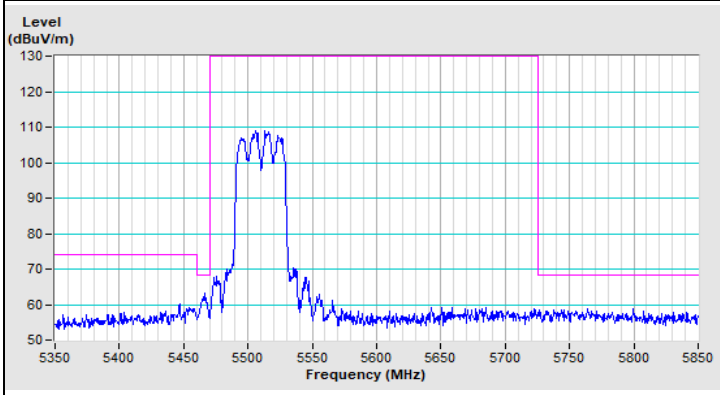


Vertical (Peak)

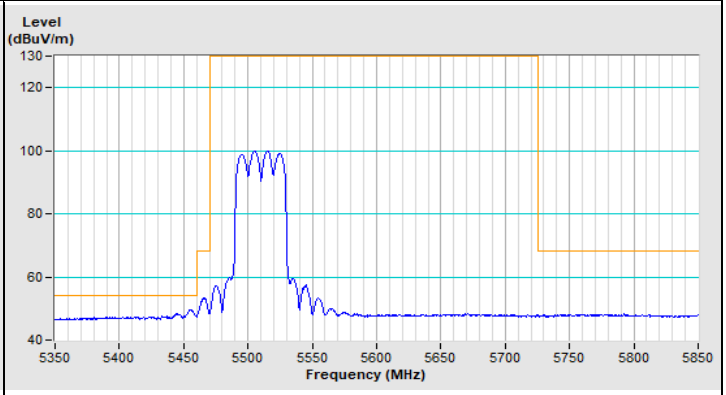


Vertical (Average)

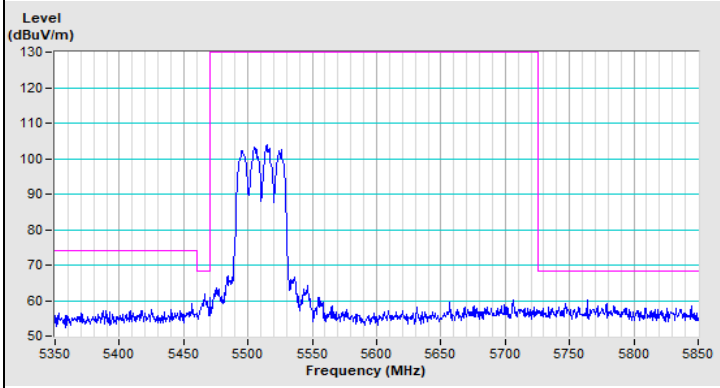
802.11ax (HE40) Full RU Channel 102



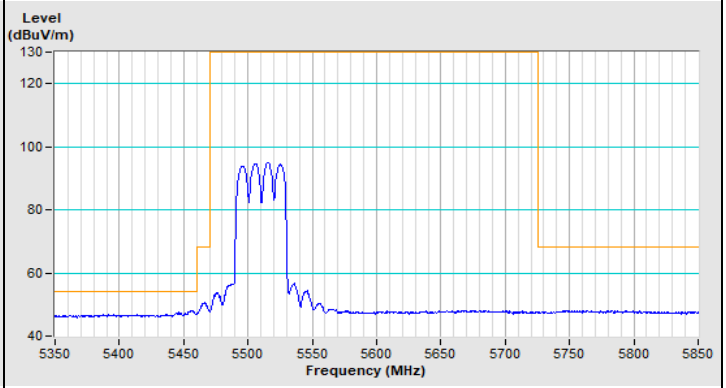
Horizontal (Peak)



Horizontal (Average)

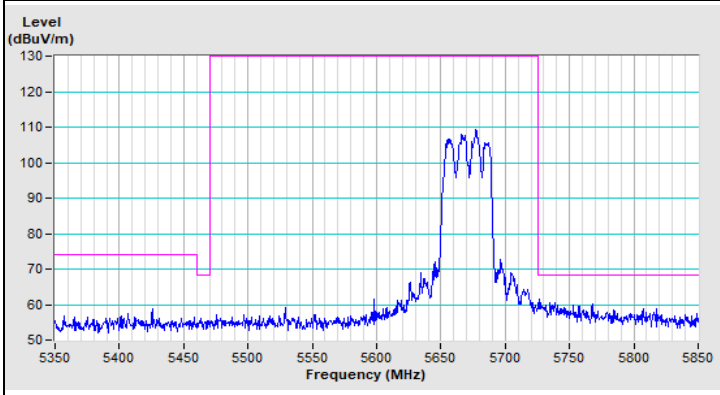


Vertical (Peak)

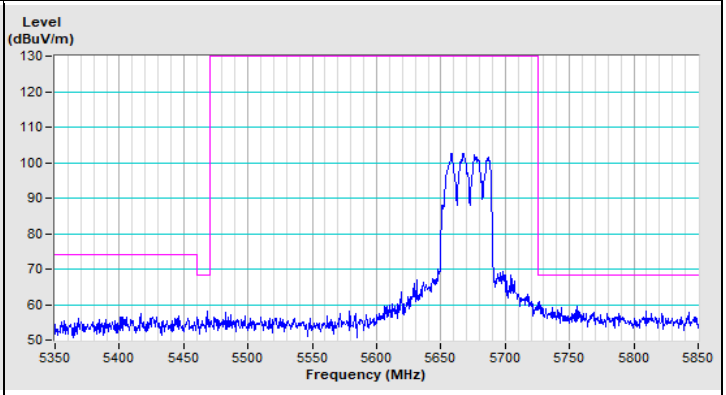


Vertical (Average)

802.11ax (HE40) Full RU Channel 134

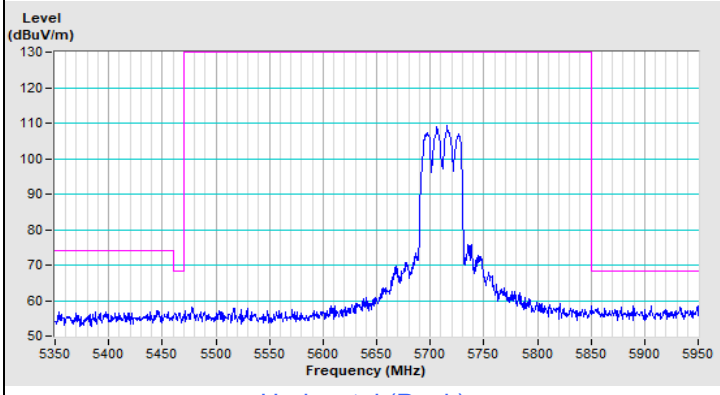


Horizontal (Peak)

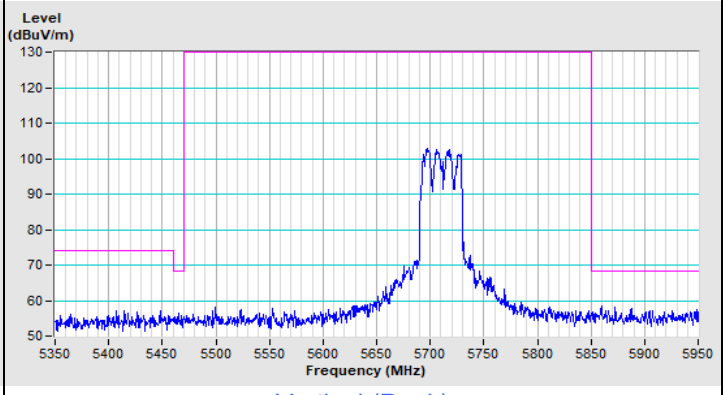


Vertical (Peak)

802.11ax (HE40) Full RU Channel 142

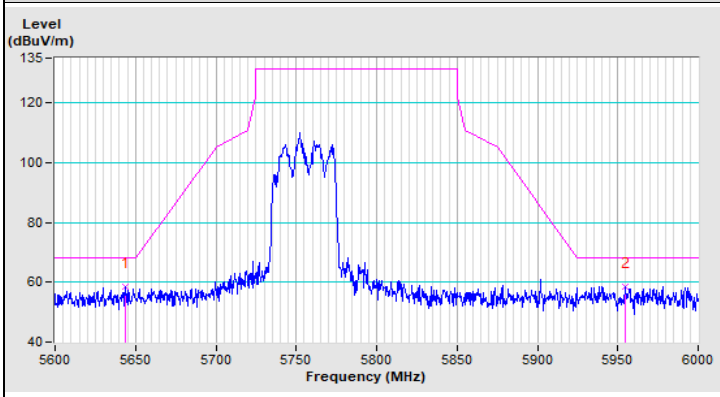


Horizontal (Peak)

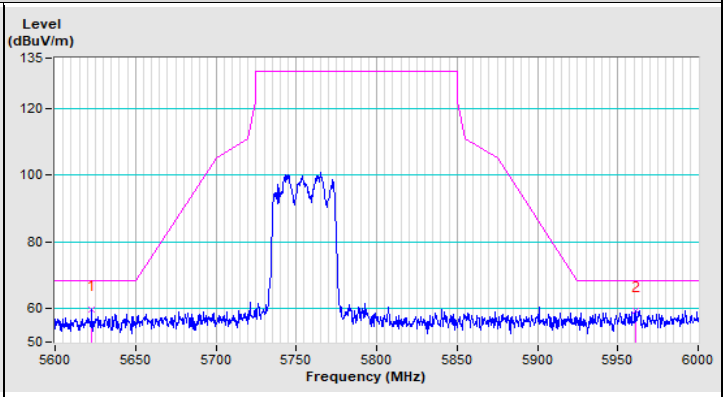


Vertical (Peak)

802.11ax (HE40) Full RU Channel 151

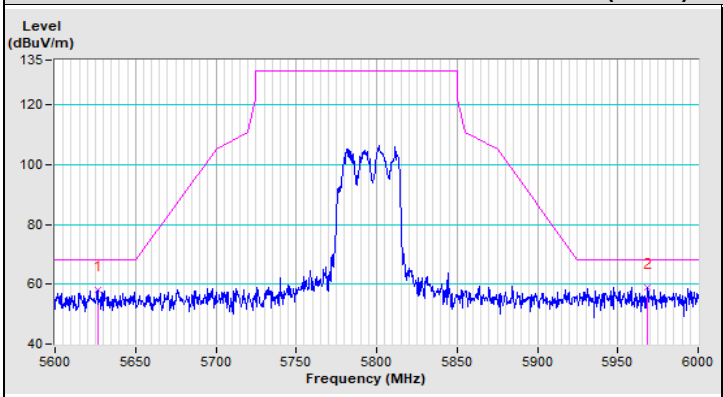


Horizontal (Peak)

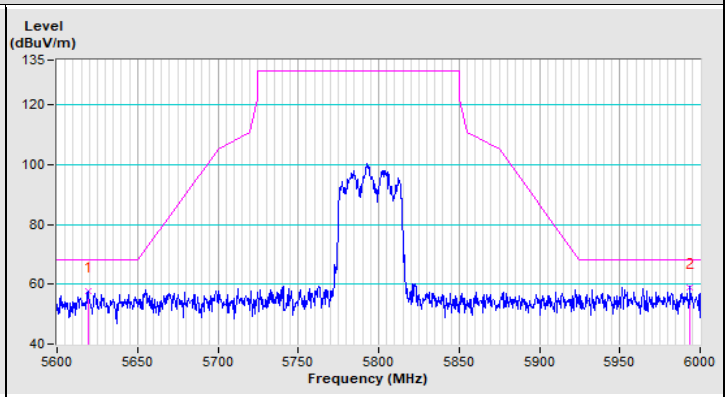


Vertical (Peak)

802.11ax (HE40) Full RU Channel 159

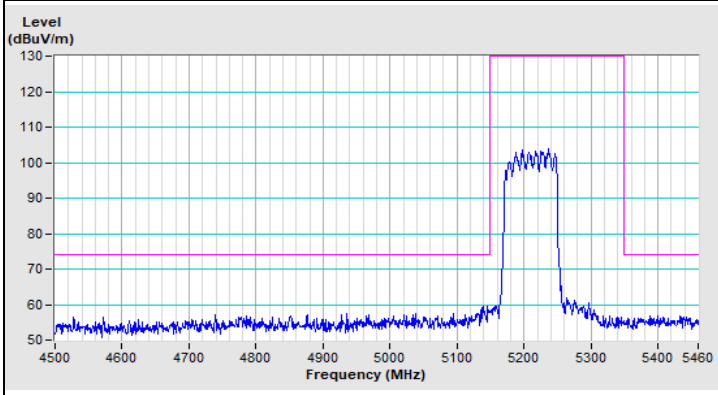


Horizontal (Peak)

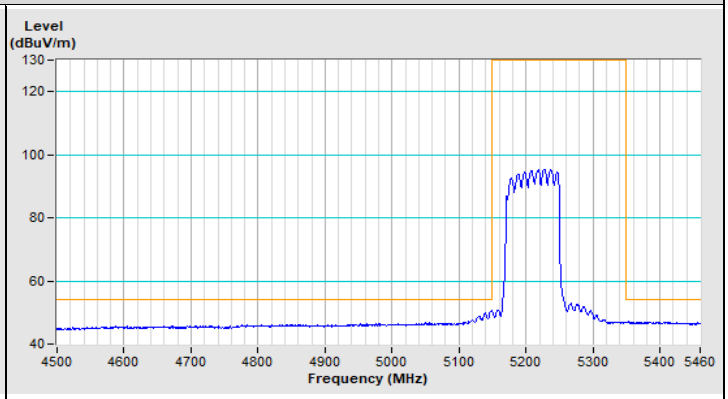


Vertical (Peak)

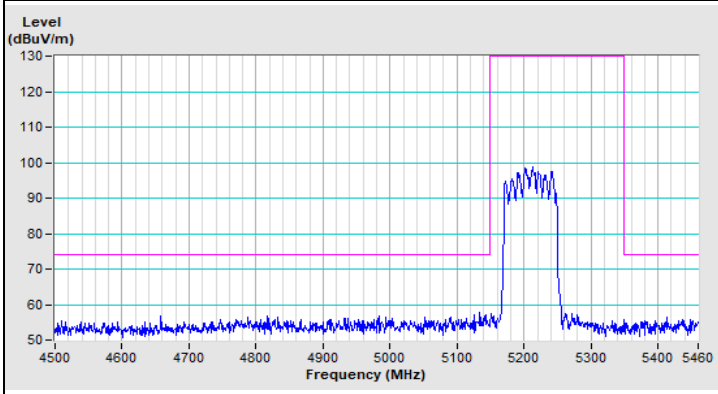
802.11ax (HE80) Full RU Channel 42



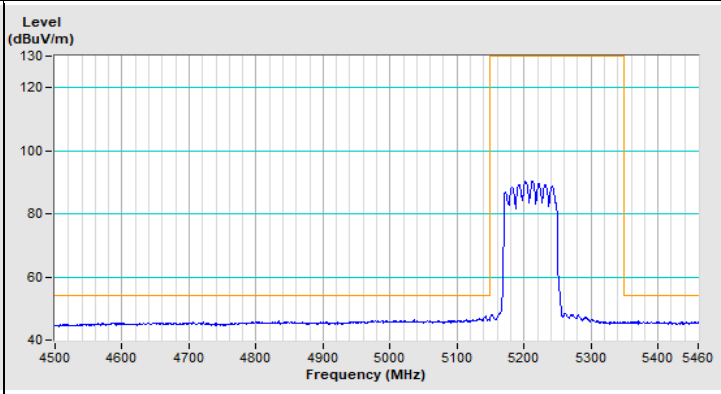
Horizontal (Peak)



Horizontal (Average)

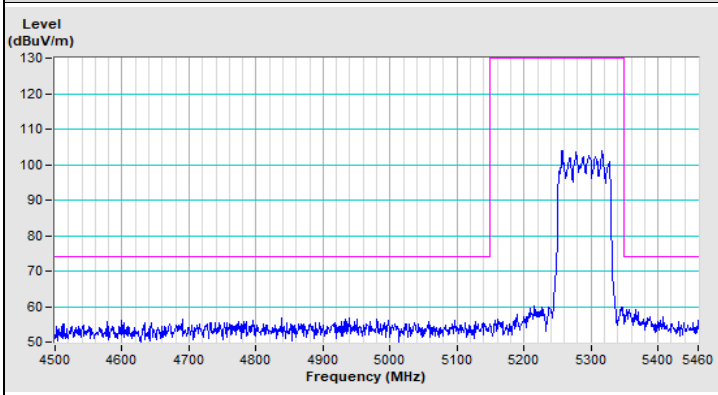


Vertical (Peak)

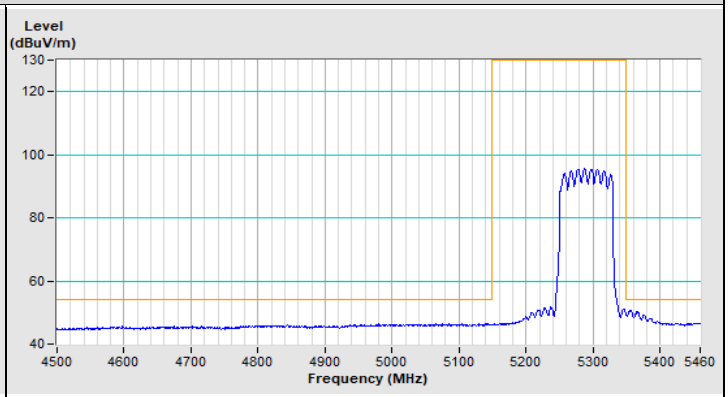


Vertical (Average)

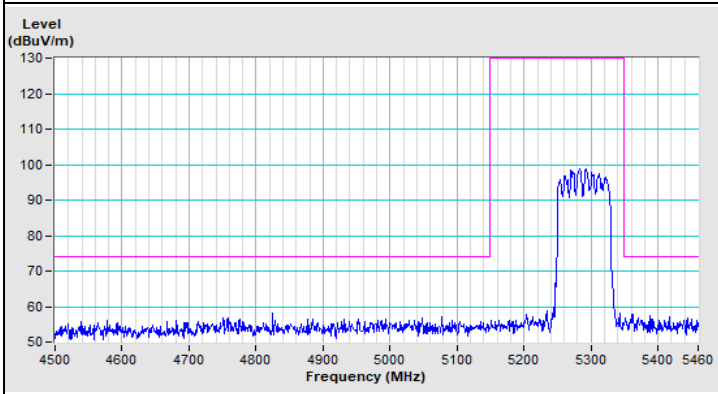
802.11ax (HE80) Full RU Channel 58



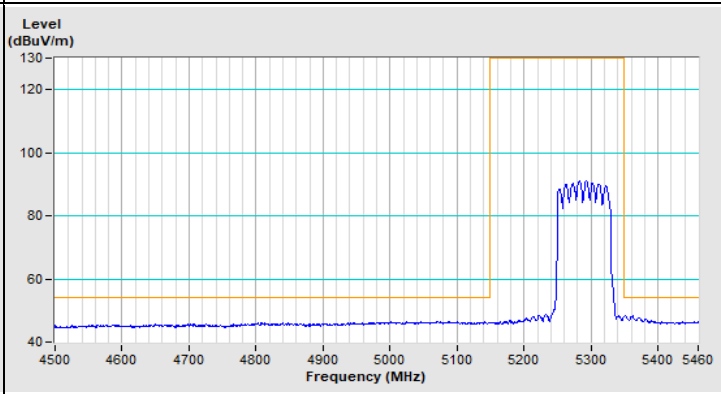
Horizontal (Peak)



Horizontal (Average)

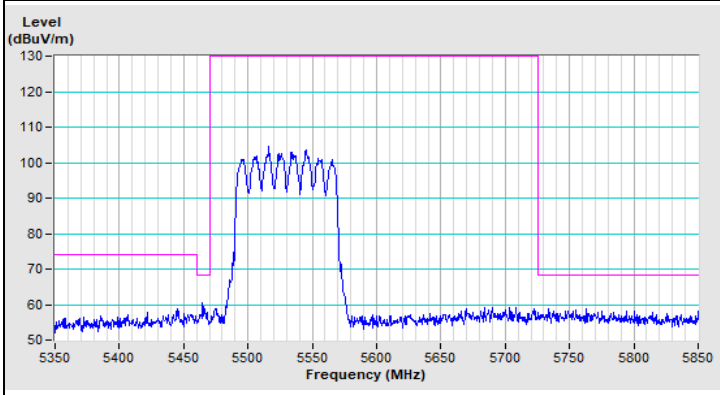


Vertical (Peak)

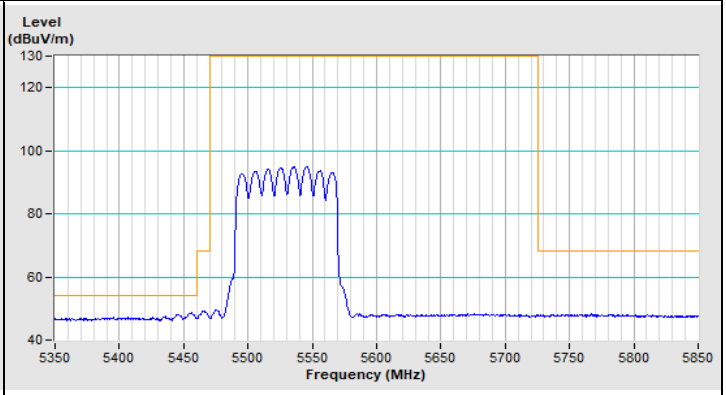


Vertical (Average)

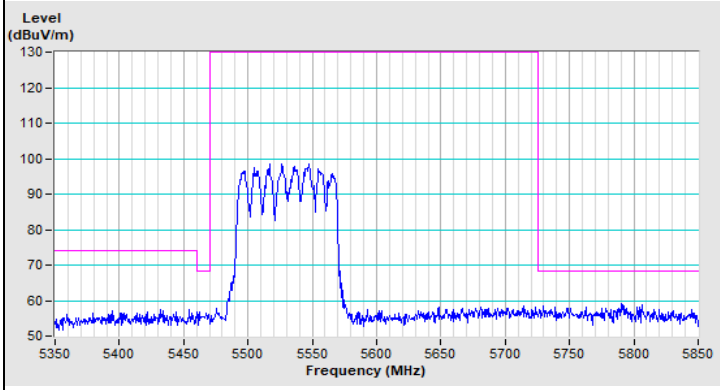
802.11ax (HE80) Full RU Channel 106



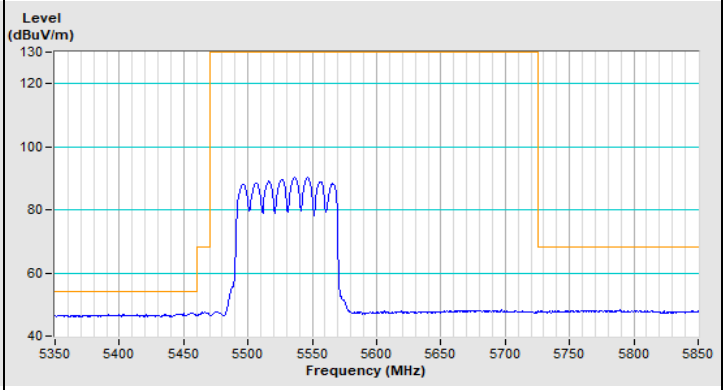
Horizontal (Peak)



Horizontal (Average)

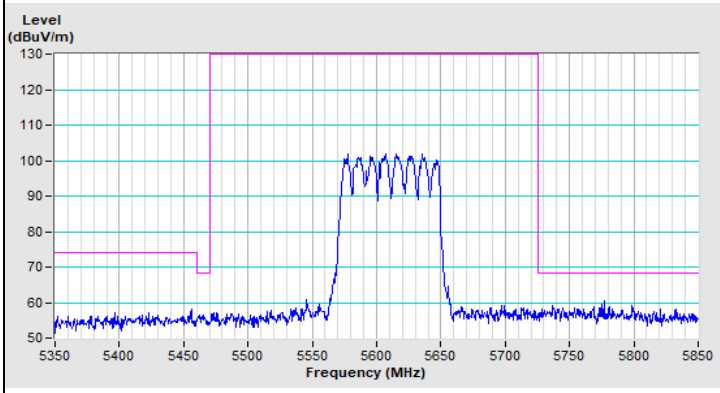


Vertical (Peak)

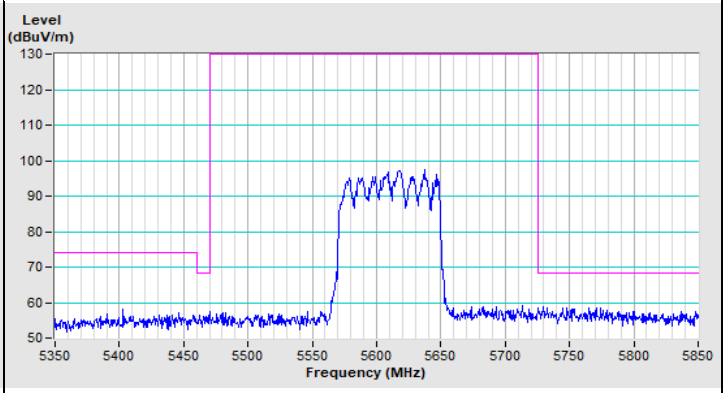


Vertical (Average)

802.11ax (HE80) Full RU Channel 122

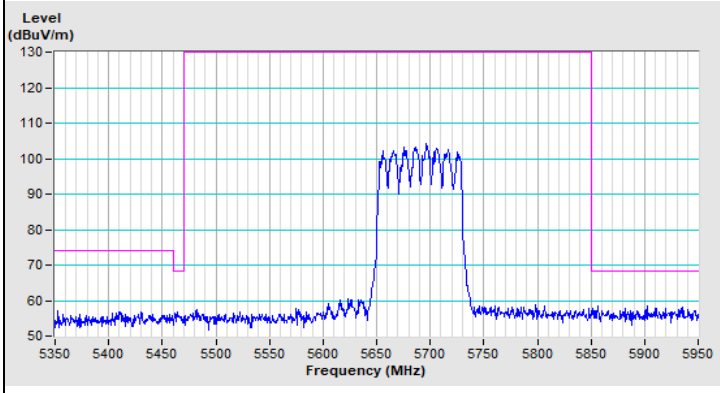


Horizontal (Peak)

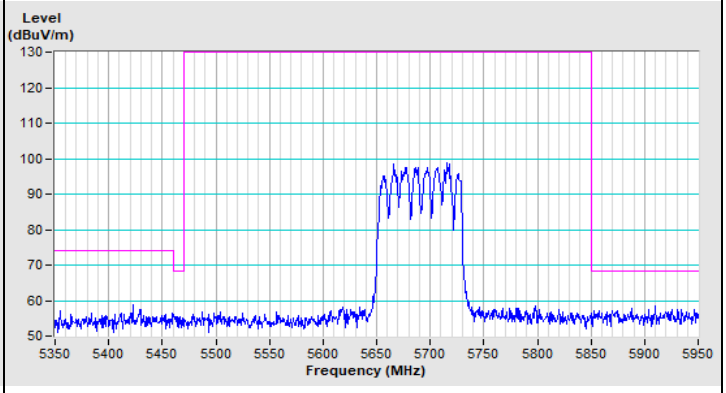


Vertical (Peak)

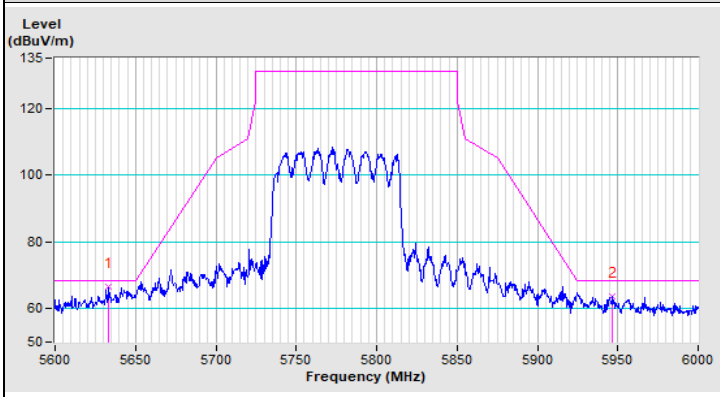
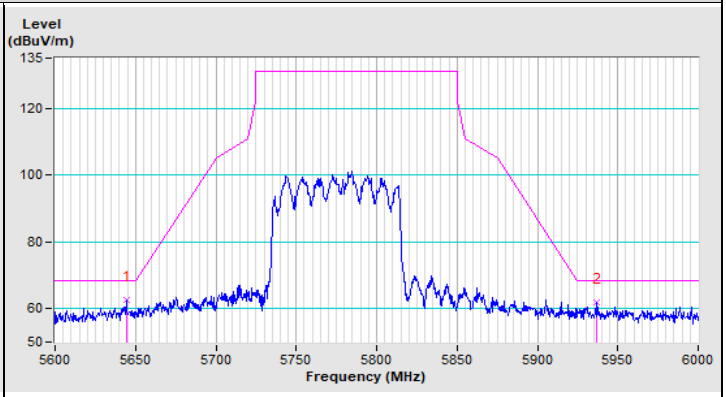
802.11ax (HE80) Full RU Channel 138



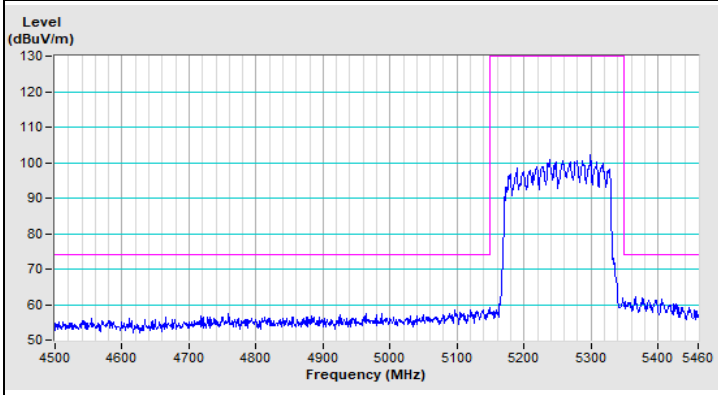
Horizontal (Peak)



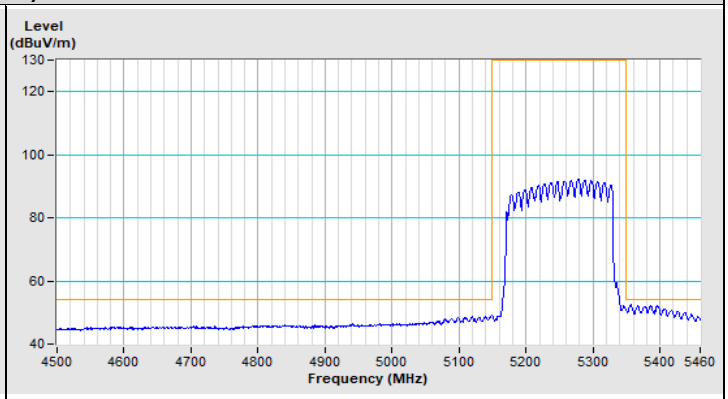
Vertical (Peak)

802.11ax (HE80) Full RU Channel 155	
	
Horizontal (Peak)	Vertical (Peak)

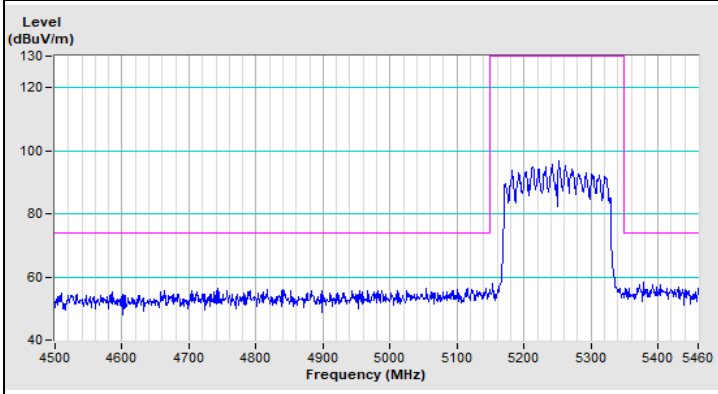
802.11ax (HE160) Channel 50



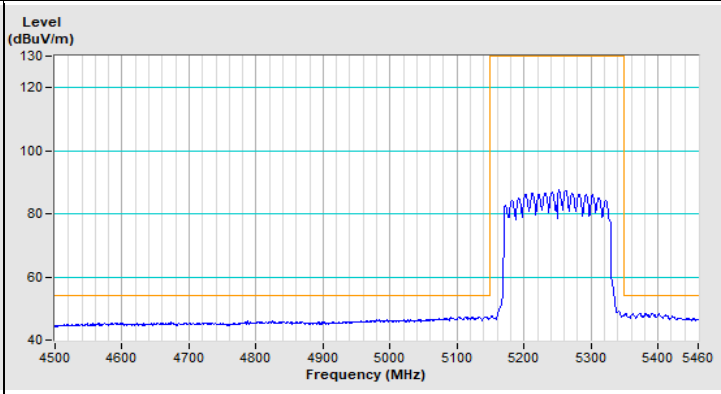
Horizontal (Peak)



Horizontal (Average)

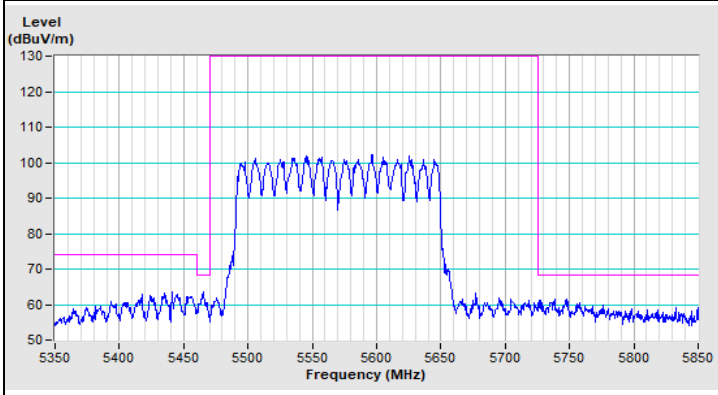


Vertical (Peak)

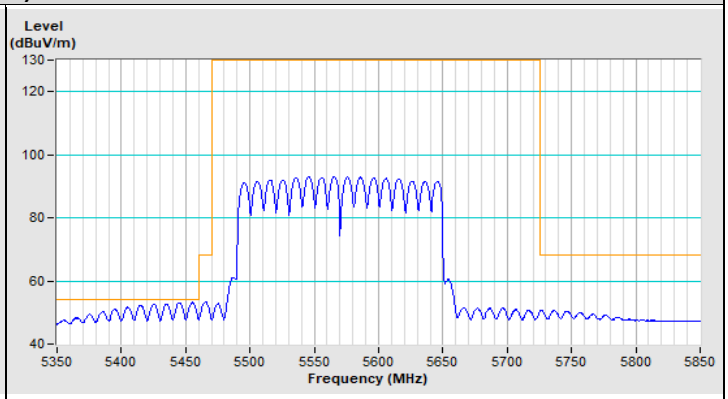


Vertical (Average)

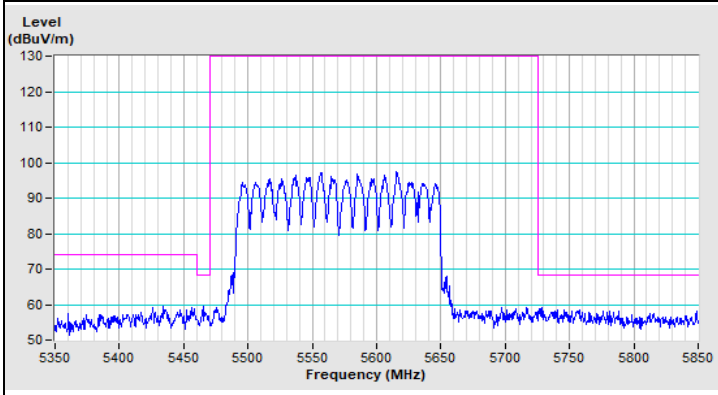
802.11ax (HE160) Channel 114



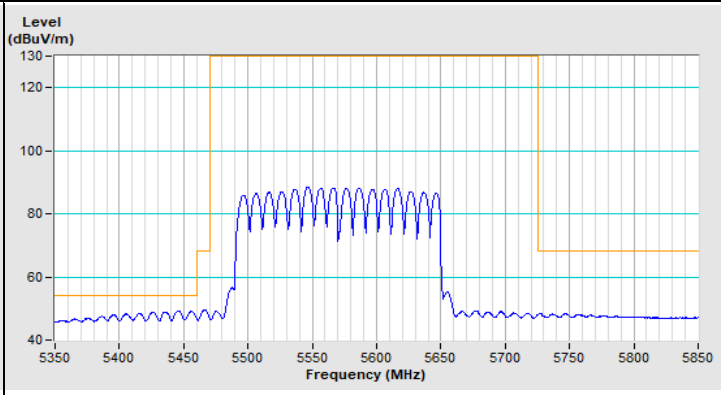
Horizontal (Peak)



Horizontal (Average)



Vertical (Peak)



Vertical (Average)

8 Pictures of Test Arrangements

Please refer to the attached file (Test Setup Photo)

9 Information of the Testing Laboratories

We, Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch, were founded in 1988 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are FCC recognized accredited test firms and accredited according to ISO/IEC 17025.

If you have any comments, please feel free to contact us at the following:

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The address and road map of all our labs can be found in our web site also.

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